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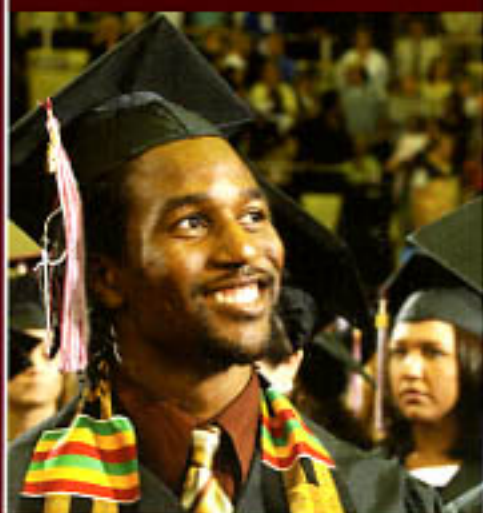
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2007-08



EASTERN KENTUCKY UNIVERSITY
GRADUATE CATALOG



Eastern Kentucky University

Graduate Catalog

2007-2008



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Notifications

All statements in this publication are announcements of present policy only and are subject to change without prior notice. Nothing contained in this publication is intended to create nor shall be construed as creating a contract, either express or implied, or guarantee for any term or for any specific procedures.

Eastern Kentucky University is an Equal Opportunity/Affirmative Action employer and educational institution and does not discriminate on the basis of age, race, color, religion, sex, sexual orientation, disability, national origin or Vietnam era or other veteran status in the admission to, or participation in, any educational program or activity which it conducts. Any complaint arising by reason of alleged discrimination should be directed to the Equal Opportunity Office of Eastern Kentucky University (Jones Building, Room 106, CPO 37A, Richmond, KY 40475-3102, 859- 622-8020 v/tdd), or to the Director of the Office for Civil Rights, U.S. Department of Education, Philadelphia, PA.

The Board of Regents of Eastern Kentucky University does hereby reaffirm the University's commitment to providing educational opportunities to all qualified students regardless of economic or social status and ensuring that participation in all University sponsored activities will be administered in a way that furthers the principles of equal employment and educational opportunities.

Eastern Kentucky University does not discriminate on the basis of disability in the admission or access to educational opportunities, programs or activities. The Director of Services for Individuals with Disabilities, Turley House, Room 1, Eastern Kentucky University, Richmond, Kentucky 40475, coordinates compliance with all federal, state and local laws and regulations concerning access for disabled individuals. Requests for information concerning the Americans with Disabilities Act and other federal and state laws relating to disabilities and the rights provided thereunder, as well as all requests for accommodations based upon disability should be directed to this office.

Eastern Kentucky University is committed to providing a healthy and safe environment for its students, faculty and staff through its compliance with the Drug-Free Workplace Act of 1988 and the Drug-Free Schools and Communities Act Amendment of 1989. In accordance with these laws, students, faculty and staff are hereby notified of the standards of conduct which shall be applicable while on University property, on University business or at University sponsored activities.

By University rules and regulations, federal laws, state laws, and local ordinances, students, faculty and staff are prohibited from the unlawful possession, use, dispensation, distribution, or manufacture of illicit drugs on University property, on University business and/or at University sponsored activities.

Any member of the student body, faculty or staff who violates the University's standards of conduct shall be subject to appropriate disciplinary action up to and including suspension and/or termination. In addition to disciplinary sanctions, students or employees may face prosecution and imprisonment under federal and/or state laws which make such acts felony or misdemeanor crimes. The specifically defined standards of conduct, the disciplinary procedures and possible sanctions appear in the *Student Handbook* and the *Faculty Handbook*.

Continuous efforts are made to make students, faculty and staff aware of the on-campus and off-campus programs which provide information and professional services on matters related to the abuse of alcohol and drugs. For additional information individuals should contact the Eastern Kentucky University Counseling Center.

Federal Regulations

Provisions of the Family Educational Rights and Privacy Act of 1974 (as amended) PUBLIC LAW 93-380

This is to serve notice to all students of Eastern Kentucky University of the rights and restrictions regarding the maintenance, inspection, and release of student records contained in the Family Educational Rights and Privacy Act of 1974 (FERPA), as amended. The University is composed of five colleges and offers a wide variety of services to students. Each college and service requires the maintenance of some records concerning students enrolled in a particular college or participating in a nonacademic service. The location and type of record maintained by the University depends upon the field of study or service in which the student is enrolled. The following is a list of the types of records maintained by the University for students:

- | | |
|---|--|
| 1. Grade reports | 11. Nominations for awards, if applicable |
| 2. Transcripts | 12. Biographical data |
| 3. Curriculum information | 13. Evaluation forms, if applicable |
| 4. Applications for graduation | 14. Weekly student teacher logs, if applicable |
| 5. Correspondence with students, if any | 15. Mid-term evaluation, if applicable |
| 6. Withdrawal records, if applicable | 16. Records of school visitations, if applicable |
| 7. Admission forms | 17. Physical education requirement waivers |
| 8. ACT test scores | 18. Field training evaluations and correspondence, if applicable |
| 9. Student teacher evaluations, if applicable | 19. Professional conduct agreements and liability insurance coverage |
| 10. Letters of recommendation, if applicable | |

Access to Records: In general, the records maintained by the University are available only to the student, to University personnel with legitimate educational interests, to other institutions where the student is seeking financial aid, and to authorized representatives of the Comptroller General of the U.S., the Secretary of Education, or an administrative head of an education agency, in connection with an audit or evaluation of federally support programs, and as provided by Section 164.283 of the Kentucky Revised Statutes. However, information may be released by the institution to appropriate persons in connection with an emergency if the knowledge of such information is necessary to protect the health or safety of a student or other persons. Records may also be furnished in compliance with a judicial order or pursuant to a subpoena or with the consent of the student.

Students may inspect and review all records pertaining to them within forty-five (45) days of making request for same, except for (1) records created or maintained by a physician, psychiatrist, psychologist or other recognized professional or paraprofessional acting or assisting in a professional capacity in connection with treatment of the student (except that the student may have these records reviewed by a physician or appropriate professional designated by the student,), (2) financial records of the student's parents, (3) confidential letters and recommendations put in the files prior to January 1, 1975, and (4) confidential recommendations relating to admission, applications for employment, or honors, if the student has waived his/her right to review such records. Where a particular record cannot be reviewed by a student without revealing confidential information relating to other students, the records custodian will inform the student, upon request, of the contents of the record pertaining to that student.

Parents who claim a student as a dependent may present their federal tax declaration, in lieu of having the student's written consent, to gain access to information concerning their children's grades.

Procedures for Challenge: A student who believes that any record maintained by the University pertaining directly to that student is inaccurate, misleading, or otherwise violative of the right of privacy of the student as provided by Title IV of Pub. L. 90-247, as amended, and Publ. L. 93-380 as amended by Senate Joint Resolution 40 (1974) may request a hearing before a panel of three persons appointed by the President of the University. The panel may direct that appropriate action be taken to correct, explain, or expunge the record(s) challenged.

Request for hearings should be addressed to the Office of University Counsel, Eastern Kentucky University, Coates Room 205, CPO 40A, 521 Lancaster Avenue, Richmond, Kentucky 40475-3102.

Directory Information: The University may release information without the student's consent where the information is classified as "directory information." The following categories of information have been designated by the University as directory information: name, address, telephone listing, e-mail address, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous education institution attended by the student. Students who do not wish such information released without their consent should notify the Student Records Office in writing. Any such request should be sent to Office of the Registrar, Office of Academic Records/Transcripts, Eastern Kentucky University, Student Services Building Room 239, CPO 58, 521 Lancaster Avenue, Richmond, Kentucky 40475-3158.

Notification of Rights Under FERPA for Postsecondary Institutions: The Family Educational Rights and Privacy affords students certain rights with respect to their education records. They are:

- (1) The right to inspect and review the student's education records within 45 days of the day the University receives a request for access. Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
- (2) The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

- (3) The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has

contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate education interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Upon request, the University discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

- (4) The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA are: Family Policy Compliance Office, U.S. Department of Education, 600 Independence Avenue SW, Washington, DC 20202-4605.

Student Right-To-Know Act

(Pub. L. 101-542)

Eastern Kentucky University

1999-2000

Section 103 of the Student Right-To-Know and Campus Security Act of 1990 (Public Law 101-542) as amended by the Higher Education Technical Amendments of 1991 (Public Law 102-26) requires public disclosure of relevant graduation rate information for students enrolled in colleges and universities receiving federal financial assistance annually beginning July 1, 1993. Because the Undergraduate and Graduate Catalogs are published for a two-year period, the graduation rate information will be published each year in the *University Handbook for Students* or may be obtained upon request from the Office of the Provost and Vice President for Academic Affairs, Coates Administration Building, Room 110, CPO 30A, 521 Lancaster Avenue, Richmond, Kentucky 40475-3102.

SECTION ONE

Eastern Kentucky
University

Introduction

Eastern Kentucky University is a regional, coeducational, public institution of higher education offering general and liberal arts programs, pre-professional and professional training in education and various other fields at both the undergraduate and graduate levels. Located in Richmond, Madison County, Kentucky, Eastern Kentucky University has a distinguished record of more than nine decades of educational service to the Commonwealth.

Situated near the heart of the Bluegrass, Richmond is served by a network of major highways which makes Eastern Kentucky University easily accessible from all parts of Kentucky and surrounding states. Richmond is 26 miles southeast of Lexington, Kentucky. Interstate Highways 1-75 (north-south) and I-64 (east-west) make the metropolitan areas of Cincinnati, 112 miles to the north, and Louisville, 110 miles to the west, within convenient distance by automobile. Richmond is also served by U.S. Route 25 from south Eastern Kentucky and Kentucky Route 52 from the east and west. The Kentucky Turnpike and the Mountain, Hal Rogers, and Cumberland Parkways provide even greater accessibility by automobile since the city is located near the convergence of these arterial highways into the interstate system.

Richmond, the county seat of Madison County, is an expanding community of approximately 30,000 population.

In and around Richmond are many areas of historic and scenic interest. Boonesborough State Park, birthplace of Kentucky, is located 12 miles to the north. Many other historical places are within easy driving distance. Scenic and recreational areas surround this section of the state.

History

The Kentucky General Assembly of 1906 enacted legislation establishing the Eastern Kentucky State Normal School. Governor J. C. Beckham signed the bill into law on March 21, 1906. On May 7 of that year, the Normal School Commission, meeting in Louisville, selected the campus of the old Central University, founded in 1874, in Richmond, Kentucky, as the site of the new school. On June 2, 1908, Ruric Nevel Roark was chosen President of the Normal School and the training of teachers was begun.

In 1922, Eastern Kentucky University became a four-year institution known as the Eastern Kentucky State Normal School and Teachers College. The first degrees were awarded by this institution in 1925. In 1928, the College was accredited by the Southern Association of Colleges and Secondary Schools. In 1930, the General Assembly renamed the school the Eastern Kentucky State Teachers College.

In 1935, a graduate program was approved at Eastern, leading to the Master of Arts degree in Education. In 1948, the General Assembly removed the word "Teachers" from the name of the college and granted the college the right to award nonprofessional degrees.

The most significant day since its founding came for Eastern on February 26, 1966, when Governor Edward T. Breathitt signed into law a bill renaming the institution Eastern Kentucky University (EKU) and sanctioning the awarding of graduate degrees in academic fields other than education.

During this period of time, Eastern Kentucky University has increased rapidly in size and stature. Beginning with a few students engaged in short review and certificate courses, the

University today serves thousands of Kentuckians. The curriculum leads to associate degrees, baccalaureate degrees, and an expanding graduate program that currently offers degrees at the master's level in many other fields as well as the already well-established Master of Arts degree in Education and the various fifth- and sixth-year leadership programs in education. Specialist degree programs have been implemented in education and psychology. In addition to these programs, Eastern Kentucky University offers cooperative doctoral programs with cooperating institutions.

Ever-mindful of the purpose of its founding, Eastern continues to recognize its historic function of preparing quality teachers for the elementary and secondary schools of the Commonwealth. However, a strong liberal arts curriculum leading to appropriate degrees, together with pre-professional courses in several areas and graduate programs, enable Eastern to serve the Commonwealth as a regional comprehensive university.

Mission Statement

For more than a decade, a mission statement approved by the Council on Postsecondary Education (formerly the Kentucky Council on Higher Education) has guided the University (see last section). During the planning process, this mission statement was refined to be more succinct and to better reflect our role for strategic planning purposes. We are not replacing the CPE mission statement, but rather, we developed a mission statement to appear in the context of the 2006-2010 University Strategic Plan, "Moving Forward Together." The revised mission statement is:

Eastern Kentucky University is a student-centered comprehensive public university dedicated to high-quality instruction, scholarship, and service.

Core Values

Since its inception in 1874, Eastern Kentucky University (then known as Central University) has been driven by core values. Although its mission has evolved and expanded to meet the changing needs of citizens of the Commonwealth (and increasingly other places in the world), core values are still an integral part of the University community. Values are the code of organizational conduct. They guide decision-making in all parts of the University. They direct our actions and must inspire all of us in the EKU community to be true to them. The EKU community is committed to embodying these values in our policies and procedures in our day-to-day activities to accomplish our mission and achieve our vision. EKU has been and will continue to be guided by the following values when planning strategies and implementing decisions regarding the University community's teaching, scholarly, and service activities.

Civic Responsibility and Civility

We believe that it is the duty of Eastern Kentucky University to deliver to our students an understanding of how the knowledge taught to them can benefit the citizens of southeastern Kentucky, the Commonwealth of Kentucky, the nation, and the world. Civic responsibility is a value that will show those who acquire it how to influence democratic decision-making and to reap the rewards of participatory democracy and active citizenship. At the heart of civic responsibility lies another value: civility. The University

community strives to propagate the understanding and practice of civility in public discourse and social life by encouraging the adoption of techniques of democratic conflict resolution that rely on reason and public debate rather than on violence and aggression.

Diversity, Dignity, Integrity

Members of the EKU community expect one another to adopt high moral principles and professional standards both inside and outside of the university setting. We hold ourselves to the responsibility of dignity as exemplified by a proper sense of pride and self-respect in fulfilling the University's mission. We honor and pursue a university community climate that respects and celebrates the diversity of peoples and seeks to embrace all individuals and prohibits judgments based on race, ethnicity, religion, socioeconomic status, gender, sexual orientation, and physical disabilities.

Excellence and Innovation

Achievement of high standards can only be attained through ongoing assessment and continuous improvement. The promotion of academic excellence is the foundation for institutional excellence and vice versa. An environment that fosters innovation at all levels and rewards creativity is critical to the success of the University and its population.

Opportunity and Access

The EKU community is dedicated to the idea that its history and tradition are embedded in Appalachian values, foremost of which are the belief in the sovereignty and uniqueness of the individual and the belief that a university education is of great value and should be available to anyone who wants to pursue it.

Shared Governance and Collaboration

The EKU community accepts as true that leadership characterized by vision and embedded with participatory decision-making at all levels is the emblem of an effective university. We are committed to providing an atmosphere in which we pursue our joint aspirations in the spirit and practice of collegiality and collaboration at all levels of the organization.

Student Success

The EKU community acknowledges that its students, faculty, staff and alumni are the source of its strength: They determine the spirit, eminence, and efficacy of the institution. The future of EKU directly hinges on the success of its students, so our most central core value is "student success" -- in the classroom, at work, and on the world stage where students will represent the collective efforts of the EKU community.

Vision

The vision expresses the principal ideal to which the University aspires and toward which it continually works. This vision statement for the 2006-2010 University Strategic Plan was developed after gathering input from external and internal constituents, including top-down and bottom-up perspectives of EKU's future.

Eastern Kentucky University will hold national distinction as a leading, comprehensive university focused on students and learning.

Institutional Goals

Eastern Kentucky University's institutional goals give substance to our core values, vision statement, and mission statement. The goals impact all facets of university life, and accomplishment of them will help Eastern to become a leading comprehensive university in the Commonwealth with a national reputation for excellence. *(These goals are not listed in any particular order or suggested priority as accomplishment of each one is a necessary step toward the successful achievement of our vision and fulfillment of our mission.)*

- To promote and support an inclusive climate that respects and celebrates diversity by attracting, developing and educating a diverse student, faculty and staff population.
- To continuously assess and improve the services and infrastructure of the University to support and maintain high-quality programs.
- To promote learning through high-quality programs, research and support services.
- To develop and enhance an environment facilitating intellectual curiosity, cultural opportunities and problem-solving abilities for members of the University community.
- To increase and enhance external and internal constituency engagement, while maintaining a connection with the southeastern region of Kentucky.

Strategic Directions 2006-2010 Planning Cycle

To direct the University's actions toward achieving the Vision, to support the University's Mission and Institutional Goals, and to function effectively within an environment of challenges and opportunities, Eastern Kentucky University has selected the following Strategic Directions for the 2006-2010 Strategic Plan. These Directions serve to focus our work to realize our Goals and will guide us over the next four years. *(Please note: the Goals and Strategic Directions are not listed in any particular order or suggested priority.)*

Goal 1: To promote and support an inclusive climate that respects and celebrates diversity by attracting, developing and educating a diverse student, faculty and staff population.

Strategic Direction 1.1: *Enhance a climate that supports diversity*.*

Strategic Direction 1.2: *Increase recruitment and retention of a diverse faculty, staff and student body to reflect the diverse society.*

**Eastern Kentucky University promotes a climate that respects and celebrates diversity within its community that includes, but is not limited to, race, ethnicity, religion, socioeconomic status, gender, sexual orientation, disabilities, and cultural or national backgrounds, in pursuit of common unity.*

Goal 2: To continuously assess and improve the services and infrastructure of the University to support and maintain high quality programs.

Strategic Direction 2.1: *Enhance technology to ensure access to appropriate and secure technology for all faculty, students, and staff.*

Strategic Direction 2.2: *Continue a model to improve institutional effectiveness by utilizing shared governance and stakeholder participation in the strategic planning, budgeting and assessment process.*

Strategic Direction 2.3: *Increase base budget funding for deferred maintenance annually.*

Strategic Direction 2.4: *Increase financial flexibility.*

Strategic Direction 2.5: *Implement a comprehensive and systematic enrollment planning process to balance student enrollment with campus physical and academic capacities, including members of faculty and staff.*

Goal 3: To promote learning through high quality programs, research and support services.

Strategic Direction 3.1: *Enhance student learning through excellence in instruction.*

Strategic Direction 3.2: *Enhance student learning through excellence in research and scholarship.*

Strategic Direction 3.3: *Enhance student learning through excellence in community service.*

Strategic Direction 3.4: *Enhance student learning through excellence in support services.*

Strategic Direction 3.5: *Improve compensation, working conditions, and support for research to attract and retain high quality faculty and staff.*

Strategic Direction 3.6: *Develop and implement a Quality Enhancement Plan (QEP) involving faculty, staff and students.*

Strategic Direction 3.7: *Identify and implement a resource/funding reallocation plan to maximize effective academic program support.*

Strategic Direction 3.8: *Identify and implement a combination of academic programs to meet the current and future workforce needs of EKU students.*

Goal 4: To develop and enhance an environment facilitating intellectual curiosity, cultural opportunities and problem-solving abilities for members of the University community.

Strategic Direction 4.1: *Enhance professional development opportunities.*

Strategic Direction 4.2: *Enhance facilities, resources, and opportunities for faculty, staff and students to pursue creative endeavors and research.*

Strategic Direction 4.3: *Develop and implement a plan to increase the amount of time available for faculty and staff to pursue professional activities, creative endeavors, and research.*

Goal 5: To increase and enhance external and internal constituency engagement, while maintaining a connection with the southeastern region of Kentucky.

Strategic Direction 5.1: *Increase net external funding.*

Strategic Direction 5.2: *Enhance partnerships with business, community and educational entities.*

Strategic Direction 5.3: *Enhance external and internal marketing and public relations to increase visibility.*

Strategic Direction 5.4: *Enhance EKU's sense of stewardship of place by increasing its commitment to Southeastern Kentucky.*

SECTION TWO

Residency

Student Residency

Since registration and other fees and residence hall room rents are subject to change periodically, no attempt is made in this publication to itemize these costs. This information is available from the Division of Admissions prior to the beginning of each academic year.

13 KAR 2:045. Determination of residency status for admission and tuition assessment purposes.

RELATES TO: KRS Chapter 13B, 164.020, 164.030, 164A.330(6)

STATUTORY AUTHORITY: KRS 164.020(8)

NECESSITY, FUNCTION, AND CONFORMITY: KRS 164.020(8) requires the Council on Postsecondary Education to determine tuition and approve the minimum qualifications for admission to a state-supported postsecondary education institution and authorizes the Council to set different tuition amounts for residents of Kentucky and for nonresidents. This administrative regulation establishes the procedure and guidelines for determining the residency status of a student who is seeking admission to, or who is enrolled at, a state-supported postsecondary education institution.

Section 1. Definitions.

- (1) "Academic term" means a division of the school year during which a course of studies is offered, and includes a semester, quarter, or single consolidated summer term as defined by the institution.
- (2) "Continuous enrollment" means enrollment in a state-supported postsecondary education institution at the same degree level for consecutive terms, excluding summer term, since the beginning of the period for which continuous enrollment is claimed unless a sequence of continuous enrollment is broken due to extenuating circumstances beyond the student's control, including serious personal illness or injury, or illness or death of a parent.
- (3) "Degree level" means enrollment in a course or program which could result in the award of a:
 - (a) Certificate, diploma or other program at an institution;
 - (b) Baccalaureate degree or lower including enrollment in a course by a nondegree seeking postbaccalaureate student;
 - (c) Graduate degree or graduate certification other than a first-professional degree in law, medicine, dentistry or "Pharm. D"; or
 - (d) Professional degree in law, medicine, dentistry, or "Pharm. D".
- (4) "Demonstration of Kentucky domicile and residency" means the presentation of documented information and evidence sufficient to prove by a preponderance of the evidence that a person is domiciled in Kentucky and is a resident of Kentucky.
- (5) "Dependent person" means a person who cannot demonstrate financial independence from parents or persons other than a spouse and who does not meet the criteria established in Section 5 of this administrative regulation.
- (6) "Determination of residency status" means the decision of a postsecondary education institution that may include a formal hearing that results in the classification of a person as a Kentucky resident or as a nonresident for admission and tuition assessment purposes.

- (7) "Domicile" means a person's true, fixed, and permanent home and is the place where the person intends to remain, and to which the person expects to return if absent without intending to establish a new domicile elsewhere.
- (8) "Full-time employment" means continuous employment for at least forty-eight (48) weeks at an average of at least thirty (30) hours per week.
- (9) "Independent person" means a person who demonstrates financial independence from parents or persons other than a spouse and who can meet the criteria established in Section 5 of this administrative regulation.
- (10) "Institution" means an entity defined in KRS 164.001(11) if the type of institution is not expressly stated and includes the Kentucky Virtual University, the Council on Postsecondary Education, and the Kentucky Higher Education Assistance Authority.
- (11) "Kentucky resident" means a determination by an institution that a person is domiciled and is a resident of Kentucky as determined by this administrative regulation.
- (12) "Nonresident" means a person who is domiciled outside of Kentucky or who currently maintains legal residence outside Kentucky or who is not a Kentucky resident within the meaning of this administrative regulation.
- (13) "Parent" means one (1) of the following:
 - (a) A person's father or mother; or
 - (b) A court-appointed legal guardian if:
 1. The guardianship is recognized by an appropriate court within the United States;
 2. There was a relinquishment of the rights of the parents; and
 3. The guardianship was not established primarily to confer Kentucky residency on the person.
- (14) "Preponderance of the evidence" means the greater weight of evidence, or evidence which is more credible and convincing to the mind.
- (15) "Residence" means the place of abode of a person and the place where the person is physically present most of the time for a noneducational purpose in accordance with Section 3 of this administrative regulation.
- (16) "Student financial aid" means all forms of payments to a student if one (1) condition of receiving the payment is the enrollment of the student at the institution.
- (17) "Sustenance" means living expenses include room, board, maintenance, transportation, and also may include educational expenses including tuition, fees, books, and supplies.

Section 2. Scope.

- (1) State-supported postsecondary education institutions were established and are maintained by the Commonwealth of Kentucky primarily for the benefit of qualified residents of Kentucky. The substantial commitment of public resources to postsecondary education is predicated on the proposition that the state benefits significantly from the existence of an educated citizenry. As a matter of policy, access to postsecondary education shall be provided so far as feasible at reasonable cost to an individual who is domiciled in Kentucky and who is a resident of Kentucky.
- (2) The Council on Postsecondary Education may require a student who is neither domiciled in nor a resident of Kentucky to meet higher admission standards and to pay a higher level of tuition than resident students.

- (3) This administrative regulation applies to all student residency determinations regardless of circumstances, including residency determinations made by the state-supported institutions for prospective and currently-enrolled students; the Southern Regional Education Board contract spaces; reciprocity agreements, where appropriate; the Kentucky Virtual University; academic common market programs; the Kentucky Educational Excellence Scholarship Program; and other state student financial aid programs, as appropriate.

Section 3. Determination of Residency Status; General Rules.

- (1) A determination of residency shall include:
 - (a) An initial determination of residency status by an institution during the admission process or upon enrollment in an institution for a specific academic term or for admission into a specific academic program;
 - (b) A reconsideration of a determination of residency status by an institution based upon a changed circumstance; and
 - (c) A formal hearing conducted by an institution upon request of a student after other administrative procedures have been completed.
- (2) An initial determination of residency status shall be based upon:
 - (a) The facts in existence when the credentials established by an institution for admission for a specific academic term have been received and during the period of review by the institution;
 - (b) Information derived from admissions materials;
 - (c) Other materials required by an institution and which are consistent with this administrative regulation; or
 - (d) Other information available to the institution from any source.
- (3) An individual seeking a determination of Kentucky residency status shall demonstrate that status by a preponderance of the evidence.
- (4) A determination of residency status shall be based upon verifiable circumstances or actions.
- (5) Evidence and information cited as the basis for Kentucky domicile and residency shall accompany the application for a determination of residency status.
- (6) A student classified as a nonresident shall retain that status until the student is officially reclassified by an institution.
- (7) A student may apply for a review of a determination of residency status once for each academic term.
- (8) If an institution has information that a student's residency status may be incorrect, the institution shall review and determine the student's correct residency status.
- (9) If the Council on Postsecondary Education has information that an institution's determination of residency status for a student may be incorrect, it may require the institution to review the circumstances and report the results of that review.
- (10) An institution shall impose a penalty or sanction against a student who gives incorrect or misleading information to an institutional official, including payment of nonresident tuition for each academic term for which resident tuition was assessed based on an improper determination of residency status. The penalty may also include:
 - (a) Student discipline by the institution through a policy written and disseminated to students; or
 - (b) Criminal prosecution.

Section 4. Presumptions Regarding Residency Status.

- (1) In making a determination of residency status, it shall be presumed that a person is a nonresident if:
 - (a) A person is, or seeks to be, an undergraduate student and admissions records show the student to be a graduate of an out-of-state high school within five (5) years prior to a request for a determination of residency status;
 - (b) A person's admission records indicate the student's residence to be outside of Kentucky at the time of application for admission;
 - (c) A person moves to Kentucky primarily for the purpose of enrollment in an institution;
 - (d) A person moves to Kentucky and within twelve (12) months enrolls at an institution more than half time; or
 - (e) A person has a continuous absence of one (1) year from Kentucky.
- (2) A presumption arising from subsection (1) of this section shall be overcome by presentation of evidence that is sufficient to demonstrate that a person is domiciled in and is a resident of Kentucky.

Section 5. Determination of Whether a Student is Dependent or Independent.

- (1) In a determination of residency status, an institution shall first determine whether a student is dependent or independent. This provision is predicated on the assumption that a dependent person lacks the financial ability to live independently of the person upon whom the student is dependent and therefore lacks the ability to form their requisite intent to establish domicile.
- (2) In determining the dependent or independent status of a person, the following information shall be considered as well as other relevant information available at the time the determination is made:
 - (a)
 1. Whether the person has been claimed as a dependent on the federal or state tax returns of a parent or other person for the year preceding the date of application for a determination of residency status; or
 2. Whether the person is no longer claimed by a parent or other person as a dependent or as an exemption for federal and state tax purposes; and
 - (b) Whether the person has financial earnings and resources independent of a person other than an independent spouse necessary to provide for the person's own sustenance.
- (3) An individual who enrolls at an institution immediately following graduation from high school and remains enrolled shall be presumed to be a dependent person unless the contrary is evident from the information submitted.
- (4) Domicile may be inferred from the student's permanent address, parent's mailing address, or location of high school of graduation.
- (5) Marriage to an independent person domiciled in and who is a resident of Kentucky shall be a factor considered by an institution in determining whether a student is dependent or independent.
- (6) Financial assistance from or a loan made by a parent or family member other than an independent spouse, if used for sustenance of the student:
 - (a) Shall not be considered in establishing a student as independent; and
 - (b) Shall be a factor in establishing that a student is dependent.

Section 6. Effect of a Determination of Dependent Status on a Determination of Residency Status.

- (1) The effect of a determination that a person is dependent shall be:
 - (a) The domicile and residency of a dependent person shall be the same as either parent. The domicile and residency of the parent shall be determined in the same manner as the domicile and residency of an independent person.
 - (b) The domicile and residency of a dependent person whose parents are divorced, separated, or otherwise living apart shall be Kentucky if either parent is domiciled in and is a resident of Kentucky regardless of which parent has legal custody or is entitled to claim that person as a dependent pursuant to federal or Kentucky income tax provisions.
- (2) (a) If the parent or parents of a dependent person are Kentucky residents and are domiciled in Kentucky but subsequently move from the state, the dependent person shall be considered a resident of Kentucky while in continuous enrollment at the degree level in which currently enrolled.
- (b) If continuous enrollment is broken or the current degree level is completed, the dependent person's residency status shall be reassessed when the circumstances detailed in subparagraph 1 of this paragraph are present.

Section 7. Member of Armed Forces of the United States, Spouse and Dependents; Effect on a Determination of Residency Status.

- (1) A member, spouse, or dependent of a member whose domicile and residency was Kentucky at the time of induction into the Armed Forces of the United States, and who maintains Kentucky as home of record and permanent address, shall be entitled to Kentucky residency status:
 - (a) During the time of active service; or
 - (b) If the member, spouse, or dependent returns to this state within six (6) months of the date of the member's discharge from active duty.
- (2) (a) A member, spouse or dependent of a member of the Armed Forces of the United States stationed in Kentucky on active military orders shall be considered a Kentucky resident while the member is on active duty in this state pursuant to those orders if the member is not:
 1. Stationed in Kentucky for the purpose of enrollment at an institution; or
 2. On temporary assignment of less than one (1) year.
- (b) A member, spouse or dependent of a member, shall not lose Kentucky residency status if the member is thereafter transferred on military orders while the member, spouse or dependent requesting the status is in continuous enrollment at the degree level in which currently enrolled.
- (3) Membership in the National Guard or civilian employment at a military base alone shall not qualify a person for Kentucky residency status under the provisions of subsections (1) and (2) of this section
- (4) A person's residency status established pursuant to this section shall be reassessed if the qualifying condition is terminated.

Section 8. Status of Nonresident Aliens; Visas and Immigration.

- (1) (a) A person holding a permanent residency visa or classified as a political refugee shall establish domicile and residency in the same manner as another person.

- (b) Time spent in Kentucky and progress made in fulfilling the conditions of domicile and residency prior to obtaining permanent residency status shall be considered in establishing Kentucky domicile and residency.
- (2) A person holding a nonimmigrant visa with designation A, E, G, H-1, H-4 if accompanying a person with an H-1 visa, I, K, L, N, R, shall establish domicile and residency the same as another person.
- (3) (a) An independent person holding a nonimmigrant visa with designations B, C, D, F, H-2, H-3, H-4 if accompanying a person with an H-2 or H-3 visa, J, M, , O, P, Q, S, TD or TN shall not be classified as a Kentucky resident, because that person does not have the capacity to remain in Kentucky indefinitely and therefore cannot form the requisite intent necessary to establish domicile within the meaning of this administrative regulation.
- (b) A dependent person holding a visa as described in paragraph (a) of this subsection, but who is a dependent of a parent holding a visa as described in subsection (2) of this section, shall be considered as holding the visa of the parent.
- (c) A dependent person holding a visa described in subsection (2) of this section or paragraph (a) of this subsection, if a parent is a citizen of the United States and is a resident of and domiciled in Kentucky, shall be a resident of Kentucky for the purposes of this administrative regulation.
- (4) A person shall be a Kentucky resident for the purpose of this administrative regulation if the person graduated from a Kentucky high school and:
 - (a) Is an undocumented alien;
 - (b) Holds a visa listed in subsections (2) or (3) (a) of this section; or
 - (c) Is a dependent of a person who holds a visa listed in subsections (2) or (3) (a) of this section.
- (5) (a) Except as provided in paragraph (b) of this subsection, a person who has petitioned the federal government to reclassify visa status shall continue to be ineligible until the petition has been decided by the federal government.
- (b) A person who has petitioned the federal government to reclassify visa status based on a marriage to a Kentucky resident and who can demonstrate that the petition has been filed and acknowledged by the federal government, may establish Kentucky domicile and residency at that time.

Section 9. Beneficiaries of a Kentucky Educational Savings Plan Trust.

A beneficiary of a Kentucky Educational Savings Plan Trust shall be granted residency status if the beneficiary meets the requirements of KRS 164A.330(6).

Section 10. Criteria Used in a Determination of Residency Status.

- (1) A determination of Kentucky domicile and residency shall be based upon verifiable circumstances or actions. A single fact shall not be paramount, and each situation shall be evaluated to identify those facts which are essential to the determination of domicile and residency.
- (2) The following facts, although not conclusive, shall have probative value in their entirety and shall be individually weighted, appropriate to the facts and circumstances in each determination of residency;

- (a) Acceptance of an offer of full-time employment or transfer to an employer in Kentucky or contiguous area while maintaining residence and domicile in Kentucky;
 - (b) Continuous physical presence in Kentucky while in a nonstudent status for the twelve (12) months immediately preceding the start of the academic term for which a classification of Kentucky residency is sought;
 - (c)
 - 1. Filing of Kentucky resident income tax return for the calendar year preceding the date of application for a change in residency status; or
 - 2. Payment of Kentucky withholding taxes while employed during the calendar year for which a change in classification is sought;
 - (d) Full-time employment of at least one (1) year while living in Kentucky;
 - (e) Attendance as a full-time, nonresident student at an out-of-state institution based on a determination by that school that the person is a resident of Kentucky;
 - (f) Abandonment of a former domicile or residence and establishing domicile and residency in Kentucky with application to or attendance at an institution following and incidental to the change in domicile and residency;
 - (g) Obtaining licensing or certification for a professional and occupational purpose in Kentucky;
 - (h) Payment of real property taxes in Kentucky;
 - (i) Ownership of real property in Kentucky, if the property was used by the student as a residence preceding the date of application for a determination of residency status;
 - (j) Long-term lease of at least twelve (12) consecutive months of noncollegiate housing;
 - (k) Marriage of an independent student to a person who was domiciled in and a resident of Kentucky prior to the marriage;
 - (l) Continued presence in Kentucky during academic breaks; and
 - (m) The extent to which a student is dependent on student financial aid in order to provide basic sustenance.
- (3) Except as provided in subsection (4) of this section, the following facts, because of the ease and convenience in completing them, shall have limited probative value in a determination that a person is domiciled in and is a resident of Kentucky:
- (a) Kentucky automobile registration;
 - (b) Kentucky driver's license; and
 - (c) Registration as a Kentucky voter.
- (4) The absence of a fact contained in subsection (3) of this section shall have significant probative value in determining that a student is not domiciled in or is not a resident of Kentucky.
- (5) A person shall not be determined to be a Kentucky resident by the performance of an act which is incidental to fulfilling an educational purpose or by an act performed as a matter of convenience. Mere physical presence in Kentucky, including living with a relative or friend, shall not be sufficient evidence of domicile and residency. A person shall respond to all information requested by an institution.

Section 11. Effect of a Change in Circumstances on Residency Status.

- (1) If a person becomes independent or if the residency status of a parent or parents of a dependent person changes, an institution shall reassess residency either upon a request by the student or a review initiated by an institution.

- (2) Upon transfer to a Kentucky institution, a student's residency status shall be reassessed by the receiving institution.
- (3) A reconsideration of a determination of residency status for a dependent person shall be subject to the provisions for continuous enrollment, if applicable.

Section 12. Student Responsibilities.

- (1) A student shall report under the proper residency classification which includes the following actions:
 - (a) Raising a question in a timely manner concerning residency classification;
 - (b) Making application for change of residency classification in a timely manner with the designated office or person at the institution; and
 - (c) Notifying the designated office or person at the institution immediately upon a change in residency.
- (2) If a student fails to notify an institutional official of a change in residency, an institutional official may investigate and evaluate the student's current residency status.
- (3)
 - (a) If a student fails to provide, by the date specified by the institution, information required by an institution in a determination of residency status, the student shall be notified by the institution that the review has been canceled and that a determination has been made.
 - (b) Notification shall be made by registered mail, return receipt requested.
 - (c) Notification shall be made within ten (10) calendar days after the deadline for receipt of materials has passed.
- (4) A student shall not be entitled to appeal a determination of residency status if the determination made by an institution is made because a student has failed to meet published deadlines for the submission of information as set forth in subsection (3) of this section. A student may request a review of a determination of residency status in a subsequent academic term.

Section 13. Institutional Responsibilities. Each institution shall:

- (1) Provide for an administrative appeals process that includes a residency appeals officer to consider student appeals of an initial residency determination and which shall include a provision of fourteen (14) days for the student to appeal the residency appeals officer's determination;
 - (2) Establish a residency review committee to consider appeals of residency determinations by the residency appeals officer. The residency review committee shall make a determination of student residency status and notify the student in writing within forty-five (45) days after receipt of the student appeal;
 - (3) Establish a formal hearing process as described in Section 14 of this administration regulation; and
 - (4) Establish written policies and procedures for administering the responsibilities established in subsections (1), (2), and (3) of this section and that are:
 - (a) Approved by the institution's governing board;
 - (b) Made available to all students; and
 - (c) Filed with the council.
- (2) If a request for a formal hearing is received, an institution shall appoint a hearing officer to conduct a formal hearing. The hearing officer:
- (a) Shall be a person not involved in determinations of residency at an institution except for formal hearings; and
 - (b) Shall not be an employee in the same organizational unit as the residency appeals officer.

- (3) An institution shall have written procedures for the conduct of a formal hearing that have been adopted by the board of trustees or regents, as appropriate, and that provide for:
 - (a) A hearing officer to make a recommendation on a residency appeal;
 - (b) Guarantees of due process to a student that include:
 1. The right of a student to be represented by legal counsel; and
 2. The right of a student to present information and to present testimony and information in support of a claim of Kentucky residency.
 - (c) A recommendation to be issued by the hearing officer.
- (4) An institution's formal hearing procedures shall be filed with the Council on Postsecondary Education and shall be available to a student requesting a formal hearing.

Section 15. Cost of Formal Hearings.

- (1) An institution shall pay the cost of all residency determinations including the cost of a formal hearing.
- (2) A student shall pay for the cost of all legal representation in support of the student's claim of residency. (17 Ky.R. 2557; eff. 4-5-91; Am. 22 Ky.R. 1656; 1988; eff. 5-16-96; 23 Ky.R. 3380; 3797; 4099; eff. 6-16-97; 24 Ky.R. 2136; 2705; 25 Ky.R. 51; eff. 7-13-98; 25 Ky.R. 2177; 2577; 2827; eff. 6-7-99; 749; 1238; eff. 11-12-2002.)

Residency Appeals Policy and Procedures

1. BASIS FOR RESIDENCY CLASSIFICATION

The Commonwealth of Kentucky has established a process and corresponding criteria for the determination of residency classification for students seeking admission to, or enrolled in, public institutions of higher education. The Council on Postsecondary Education (hereinafter referred to as "CPE") has established Kentucky Administrative Regulation 13 KAR 2:045 (hereinafter referred to as "the Regulation") to be followed by all public institutions of higher education in the Commonwealth concerning residency classification. As well as being published in the current *Undergraduate Catalog*, this Regulation can be found in the current *Graduate Catalog* and copies are available upon request from the Office of Admissions, located in Student Services Building, Room 112 or by calling (859) 622-2106 or 1-800-465-9191.

2. INSTITUTIONAL ADMINISTRATION OF THE RESIDENCY POLICY

The CPE authorizes each institution to establish a procedure for the determination of residency classification based upon the Regulation.

2.1 Office of Admissions

The Office of Admissions, Student Services Building, Room 112, CPO 54, 521 Lancaster Avenue, Richmond, KY 40475-3154, at Eastern Kentucky University serves as the coordinating office for institutional implementation of the Regulation. Instructions for filing applications for reclassification and copies of the Regulation are available in this office. Also, Admissions staff members are available to answer questions regarding policy and procedures.

2.2 Initial Classification

The initial determination of residency status is made by the University based upon the credentials submitted by an applicant for admission to the University in accordance with the Regulations.

2.3 Appeal of Residency Status

Once an initial classification of residency is made by the Office of Admissions, it is the student's responsibility to initiate an appeal of such classification. Request for reclassification must be filed with the Office of Admissions **NO LATER THAN 30 CALENDAR DAYS** after the first full day of classes of the fall or spring academic term for which reclassification is sought or not later than ten (10) calendar days after the first day of class for the summer term. Request for reclassification are to be made in affidavit form on the form available from the Office of Admissions. A student may apply only once during an academic term. A student classified as a non-resident will retain that status until a change is brought about by successful appeal. If an appeal results in a change of classification, the change will not be effective earlier than the semester during which the appeal is filed. If a student is initially classified non-resident but does not enroll the semester for which the student originally applied, the residency classification will be reassessed for subsequent semesters.

2.4 Affidavit (Application for Reclassification)

Affidavits will not be accepted unless the form is fully completed, properly signed and notarized. In no case will a decision be granted without an affidavit and all required supporting documentation.

2.5 Documentation

Because of the variety of factors related to establishing residency for tuition purposes, the number of documents required to complete an appeal may vary from case to case. In all cases, the University may require certification of authenticity of documents. It is the appealing student's responsibility to provide sufficient documentation to clarify circumstances related to the appeal. In all cases, circumstances related to establishing domicile must be verifiable.

2.6 Review of the residency file by the Residency Appeals Officer

A Residency Appeals Officer designated by the University shall review the affidavit and documentation and notify the student, in writing, within fourteen (14) days of making a determination. Students who do not agree with the Residency Appeals Officer's determination may appeal his/her residency status to the University's Residency Review Committee within fourteen (14) days of the Residency Appeals Officer's determination.

3. UNIVERSITY RESIDENCY REVIEW COMMITTEE

Pursuant to the Regulation, Eastern Kentucky University has a Residency Review Committee (hereinafter referred to as the "Committee") to review and evaluate student affidavits for reclassification and to consider changes in the residency classification.

3.1 Timely Appeal

The Student must notify the Residency Appeals Officer in writing, if he or she wishes his/her case to be reviewed by the Committee, within fourteen (14) calendar days after notification of

the Residency Appeals Officer's determination. The Residency Appeals Officer shall immediately forward the request and the student's residency file to the Chair of the Committee.

3.2 Committee Membership

The Residency Review Committee shall be comprised of three members: the Associate Vice President for Enrollment Management; a member of the Faculty-at-Large, who shall be appointed annually by the Faculty Senate; and a member of the student body, who shall be appointed by the Office of the Vice President for Student Affairs from a list of students recommended by the Student Association.

3.3 Determination of the Committee

The Committee shall issue a written decision citing the section of the Regulation on which the decision is based. The Committee may vote to defer a case for additional documentation, or the Committee may make a decision contingent upon conditions prescribed by the Committee. The Chair of the Committee will then determine when and whether contingencies are met.

3.4 Notification of Decision

The Committee shall make a determination of student residency status and notify the student, in writing, within forty-five (45) days after receipt of the student appeal. Decisions denying appeals are communicated to the student by certified mail, return receipt requested. In all cases where the Committee reaches a determination granting in-state residency status, copies of the letter of notification will be sent to the Office of Admissions, Billings and Collections, the Registrar's Office, and Student Financial Assistance.

4. REQUEST FOR FORMAL HEARING

Pursuant to the Regulation, the University shall provide a formal hearing in the event a student wishes to appeal the determination of the Residency Review Committee.

4.1 Timely Request

A student who wishes to appeal the determination of the Committee shall be granted a formal hearing by the University if the student notifies the Office of the Associate Vice President for Enrollment Management, Student Services Building, Room 340, CPO 63, Richmond, KY 40475-3163, in writing, within fourteen (14) calendar days after notification of the Residency Review Committee's determination. The Associate Vice President for Enrollment Management shall immediately forward the request and the student's residency file to the Office of the President.

4.2 The Hearing Officer

Upon receipt of a request for a formal hearing, the University President shall appoint a Hearing Officer to conduct the hearing. The Hearing Officer shall not be a person involved in determinations of residency at a public institution of higher education in Kentucky (including the Kentucky Commonwealth Virtual University) and shall not be an employee of the same organizational unit as the Residency Appeals Officer.

4.3 Formal Hearing Procedures

The hearing shall be conducted in accordance with the following procedures:

4.3.1. Notice of Hearing

- 4.3.1.a.** The University shall conduct the hearing as soon as practicable and shall give notice of the hearing to the parties not less than twenty (20) days in advance of the date set for the hearing. A reasonable effort shall be made to schedule the hearing on a date that is convenient to all parties involved.
- 4.3.1.b.** The hearing notice shall be served on all parties by certified mail, return receipt requested, to the last known addresses of the parties, or by personal service.
- 4.3.1.c.** The notice shall be in plain language and shall include:
- the date, time and place of the hearing;
 - the name, official title, and mailing addresses of the Hearing Officer;
 - the names, official titles, mailing addresses, and, if available, telephone numbers of all parties involved in the hearing, including the counsel or representative of the University; and
 - a statement advising the student of his/her right to legal counsel.

4.3.2. Hearing Procedure

- 4.3.2.a.** The Hearing Officer shall conduct the hearing and all related proceedings in a manner which will promote the orderly and prompt conduct of the hearing.
- 4.3.2.b.** To the extent necessary for the full disclosure of all relevant facts and issues, the Hearing Officer shall give all parties the opportunity to respond, present evidence and argument, conduct cross-examination, and submit rebuttal evidence.
- 4.3.2.c.** Any party to the hearing may participate in person or be represented by counsel. A student shall pay for the cost of all legal representation in support of the student's claim or residency. Legal counsel for the student must file a notice of appearance with the Hearing Officer prior to the date of the hearing.
- 4.3.2.d.** The Hearing Officer may conduct all or part of the hearing by telephone, television, or other electronic means, if each party to the hearing has an opportunity to hear, and if technically feasible, to see the entire proceeding as it occurs, and if each party agrees.
- 4.3.2.e.** The hearing shall be open to the public unless specifically closed pursuant to a provision of law. If the hearing is conducted by telephone, television, or other electronic means, and is not closed, public access shall be satisfied by giving the public an opportunity, at reasonable times, to hear or inspect the University's records.

4.4 Findings of Fact; Evidence; Recording of Hearing; Burden of Proof

- 4.4.1.** Findings of fact shall be based exclusively on the evidence on the record.
- 4.4.2.** All testimony shall be made under oath or affirmation.

- 4.4.3.** Objections to evidence presented may be made by any party and shall be noted in the record.
- 4.4.4.** The University shall be responsible for having all testimony, motions and objections in a hearing accurately and completely recorded. Any person, upon request, may receive a copy of the recording or a copy of the transcript, if the hearing has been transcribed, at the discretion of the University, unless the hearing is closed by law. The University may prepare a transcript of a hearing or a portion of a hearing upon request but the party making the request shall be responsible for the transcription costs. The form of all requests and fees charged shall be consistent with KRS 61.870 to 61.884.
- 4.4.5.** Unless otherwise provided by state or federal law, the student appealing the residency decision has the burden of proving the student's right to having his/her residency status changed. The student has the ultimate burden of proof of persuasion as to this issue to be shown by a preponderance of evidence in the record. Failure to meet the burden of proof is grounds for a recommended order from the Hearing Officer.

4.5 Prohibited Communications

- 4.5.1.** The Hearing Officer shall not communicate off the record with any party to the hearing or any other person who has a direct or indirect interest in the outcome of the hearing, concerning any substantive issue, while the hearing is pending.

4.6. Recommended Order

- 4.6.1.** The Hearing Officer shall complete and submit to the University President, no later than sixty (60) days following receipt of the student's residency file, a written recommended order which shall include the Hearing Officer's findings of fact, conclusion of law, and recommended disposition of the hearing.
- 4.6.2.** A copy of the Hearing Officer's recommended order shall also be sent to each party in the hearing. Each party shall have fifteen (15) days from the date the recommended order is mailed within which to file exceptions to the recommendations with the University President. The recommended order may be sent by regular mail to the last known address of the party.

4.7. Final Order

- 4.7.1.** In making the final order, the University President shall consider the record including the recommended order and any exceptions filed by, or on behalf of, the student.
- 4.7.2.** The University President may accept the recommended order of the Hearing Officer and adopt it as the University's final order, or he or she may reject or modify, in whole or in part, the recommended order, or he or she may send

the matter, in whole or in part, back to the Hearing Officer for further proceedings as appropriate.

- 4.7.3.** The final order shall be in writing. If the final order differs from the recommended order, it shall include separate statements of findings of fact and conclusions of law.
- 4.7.4.** The University President shall render a final order within thirty (30) days after receipt of the recommended order unless the matter is sent back to the Hearing Officer for further proceedings.
- 4.7.5.** A copy of the final order shall be transmitted to each party or to his/her attorney of record by certified mail, return receipt requested, sent to the last known address of the parties, or by personal service. A copy of the final order shall also be sent to the Office of Admissions, Billings and Collections, the Registrar's Office, and Student Financial Assistance.

5. RECORDS

All official files and materials relating to a student's appeal of an initial residency determination shall be returned to the Office of Admissions to be placed with the application for admissions at whatever point in the process the appeals procedure is terminated.

SECTION THREE

Student Support and Services

OFFICE OF FINANCIAL AFFAIRS AND TREASURER

The Office of Financial Affairs and Treasurer coordinates the following areas of University operations: 1) accounting and financial services, 2) student accounting services, and 3) purchases and stores.

Students may view the mission statement of each of the above areas by visiting the Office of Financial Affairs and Treasurer web page www.financialaffairs.eku.edu.

Financial Obligations of the Student

Any student or former student who is indebted to the University and who fails to make satisfactory settlement within a time limit prescribed is liable for administrative action. Students who are indebted to the University may not register at the University nor will their transcript be released until the debt is paid. Any student indebted to the University who cannot meet his/her financial obligations within the time limit prescribed is responsible for calling on the Division of Student Accounting Services and explaining the reasons for failure to pay. Students who fail to pay their account balance in a timely manner may also be liable for additional collection costs incurred by the University in collecting the amount owed.

Refund Policy

No refund can be made on certain class fees and optional fees as established by the Eastern Kentucky University Board of Regents. Students wishing to withdraw from courses must do so online via **EKUDirect** (on the ECU homepage at www.eku.edu). When a student officially withdraws from the University or from any course, or courses, for which hourly rates apply, tuition and fees will be adjusted in the following manner:

<u>Time Period*</u>	<u>Refund</u>
During ADD/DROP period for any class (for full semester classes=1st week)	100%
From end of 1st week thru end of 2nd week of class	75%
From end of 2nd week thru end of 3rd week of class	50%
From end of 3rd week thru end of 4th week of class	25%
After the 4th week of class	0%

*Partial semester courses vary in length and the percentage of refunds and the effective dates will be modified accordingly.

This policy applies to refundable fees only; non-refundable fees are not included.

In no case shall a refund of rent be made to a person who remains a student but moves from University housing at his or her convenience.

An appeals process exists for students and/or parent(s) of students who feel that individual circumstances warrant exceptions from published policy. Request for an appeal should be addressed in writing to the Director of Student Accounting Services.

Refunds for reduction in course load for part-time students will be at the same percentage rate as for students who officially withdraw from the University; however, if the reduction in course

load results from the cancellation of a class or from the student having been permitted to enroll for a class for which he or she was not eligible, a full refund will be made of the registration fee for the course being dropped.

DIVISION OF STUDENT AFFAIRS

The Division of Student Affairs assists students in all aspects of their ECU experience, which involves services, programs, and learning experiences gained through out-of-classroom activities. Student Affairs interacts with students through organized services and programs to create a campus responsive to individual student needs. The mission of ECU's Student Affairs division is to provide quality services, leadership experiences, and learning opportunities that promote personal development and student success.

The following departments and areas are part of the Division of Student Affairs: 1) ECU Bookstore, 2) Campus Recreation/Intramurals, 3) Career Services, 4) Colonel Card 1 Office, 5) Community Service and Student Engagement, 6) Counseling Center, 7) Dining Services, 8) Extended Campus Student Affairs, 9) First Year Programs, 10) Greek Life, 11) Meditation Chapel, 12) Multicultural Student Affairs, 13) Parking & Transportation Services, 14) ECU Police, 15) Student Health Services, 16) Student Health Promotion and Education, 17) Student Involvement and Leadership, and 18) University Housing.

ECU Bookstore - Keen Johnson Building

Phone: (859) 622-2696 Fax: (859) 622-2660
www.eku.bkstore.com

The ECU Bookstore is located at the heart of campus in the Keen Johnson Building. The Bookstore is the place for one-stop shopping on all ECU Pride wear, textbooks, and much more. It offers a wide variety of products, services, and events including:

- Largest selection of USED textbooks
- Class supplies
- Trade books and magazines
- Convenience items
- Largest selection of officially licensed ECU gear
- Backpacks
- Textbook reservations
- Barnes & Noble gift cards
- Book signings
- Book reservations for upcoming releases
- Faculty receptions

The ECU Bookstore works diligently with departments, faculty and staff to ensure that textbooks and products required for each class are readily available to students. Textbook requests are required from the departments and faculty by these dates:

- **March 1**
For the upcoming SUMMER sessions
- **March 15**
For the upcoming FALL semester
- **October 1**
For the upcoming SPRING semester

Textbook requests are required by the above dates for the following reasons:

- Allow ample time to receive all textbooks from the publishers in a timely manner
- To give out top dollar to students during Book Buyback
 - Book Buyback begins directly before Finals Week
 - If you use the same textbook in the next session, students will receive 50% back on their textbooks - but only if your textbook adoption is on file!
- To allow time to review orders and make any edition corrections if needed

Regular EKU Bookstore hours are:

Monday-Thursday 7:45 a.m. - 6:00 p.m.
 Friday 7:45 a.m. - 5:00 p.m.
 Saturday 11:00 a.m. - 3:00 p.m.

The Bookstore is open extended hours during the beginning and end of each semester and during special events.

Campus Recreation

Fitness and Wellness Center, SRC 105
 Phone: (859) 622-1244 Fax: (859) 622-6754
www.campusrec.eku.edu

The Department of Campus Recreation provides a variety of diverse facilities and recreational opportunities to the University community. The department promotes physical, emotional, and social growth of students, faculty and staff by encouraging the development of lifelong skills and positive attitudes through recreational activities. These are five areas within Campus Recreation: facilities, fitness, adventure programs, intramurals, and massage therapy.

Campus Recreation oversees the operation of the Fitness and Wellness Center, a state-of-art facility which includes:

- Full line of weight and fitness equipment
- Group exercise rooms
- Locker rooms
- Multipurpose gymnasiums
- Indoor track
- Climbing wall
- Student lounge with computers and big screen television
- Boulderling wall
- Full swing golf simulator

The department is also responsible for the Burke Wellness Center, Begley and Weaver gymnasiums, outdoor basketball courts and intramural field complex.

The fitness program is dedicated to enhancing the physical well-being of our students and faculty/staff members. A variety of group fitness classes are offered each week in our 2,000 square foot group fitness studio and are taught by trained, motivated and friendly instructors. All fitness levels are welcome and each group fitness class is offered at no charge. Classes include:

- | | |
|--------------|-----------------------|
| • Step | • Group cycling |
| • Kickboxing | • Cardio conditioning |
| • Yoga | • Tai Chi |
| • Pilates | • Toning |

Adventure programs offers outdoor trips ranging from an afternoon to a week (or more), and workshops that will teach you new skills! We offer a variety of trips and workshops each semester. Previous trips have included: hiking and camping, backpacking, kayaking/canoeing, spelunking, white water rafting, climbing, and canyoneering. The climbing wall is an exciting and engaging alternative to traditional exercise. The indoor climbing wall is a simulated rock formation with numerous hand and foot holds that provide mental and physical challenges to build strength, endurance, and self-confidence. The boulderling wall is climbing without ropes. It is a great way to learn climbing techniques and gain strength.

Intramural sports have been a campus tradition at Eastern Kentucky University for over 50 years. Students play with their friends or organizations and compete against fellow Eastern students. Examples of activities offered are flag-football, soccer, volleyball, corn hole, dodge ball, golf, basketball, and much, much more. There are also numerous individual and dual events.

Campus Recreation is excited to offer Massage Therapy. These days, a massage isn't just for feeling good anymore. It is a holistic therapy that reduces the heart rate, lowers blood pressure, increases blood circulation and lymph flow, relaxes muscles, improves range of motion, and increases endorphins, the body's natural painkillers. Therapeutic massage enhances medical treatment and helps people feel less anxious and stressed, relaxed yet more alert. It has been said that "Massage is to the human body what a tune-up is for a car."

Campus Recreation employs a licensed massage therapist who offers several types of massage therapy:

- **Myfascial Release** is a gentle therapy, consisting of a mixture of light stretching and massage work. During a session, the therapist will apply hands-on massage strokes in order to release tension from the fibrous bands of the muscles, bones, nerves and joints, by unblocking any scar tissue or adhesions due to injury in the muscles and surrounding tissues.
- **Deep Connective Tissue Massage** is a form of intense massage that aims to release myofascial (connective tissue) restrictions in the body, and to break up any restrictive scar tissue. It has also been known to help relieve chronic tension, to increase the body's range of motion, to improve posture and to enhance the natural harmony of the entire body and mind.
- **Cranio-Sacral Therapy**, or CST, is a gentle, hands-on manipulation of a physiological body system called the cranio-sacral system. This system is comprised of the soft tissue and bones of the cranium (or head), the spine and the pelvis. Massage therapists that perform cranio-sacral therapy also target the membranes and cerebrospinal fluids that surround and cushion the brain and spinal cord from injury during a therapy session.
- **Therapeutic Massage Therapy** is a general term for medical or therapeutic treatment by massage. It is considered a holistic therapy as it reduces the heart rate helping to relax all the muscles of the body. It also helps lower blood pressure, improves blood circulation, improves the lymphatic system, and increases the release of the body's natural painkillers (such as endorphins).

Career Services (www.career.eku.edu)

Student Services Building 465
Phone: (859) 622-1568 Fax: (859) 622-1570
E-Mail: career@eku.edu www.career.eku.edu

Career Services assists students who are seeking employment and/or clarifying their career direction. The career services staff is available by appointment to discuss individual job search questions.

Career Exploration

For students who have a tentative career direction or major in mind, Career Services can help by providing information on: what students can do with a major...career paths, supply and demand, destinations of past graduates, salaries, and potential employers. FOCUS, an online career planning tool, is available to help students explore their interests and provide detailed information on a wide variety of occupations.

Part-Time Job Program

The Part-Time Job Program allows students to get connected with the community by listing part-time jobs, temporary and summer assignments with local and regional businesses. Students who participate in the program gain real world experience in the workforce while networking in the community.

Career Preparation

The Career Services staff offers individual appointments, seminars, career fairs and other resources to help students with career preparation. These areas include resume and cover letter writing, tips on job search strategies, internet job posting, professional dress, dining etiquette, interviewing skills, application to graduate and professional schools, and assistance in identifying and connecting with potential employers.

EKU JobLink

This easy to use and innovative system gives students and alumni greater access to career opportunities. ECU JobLink provides current part-time, internship and full-time job listings; info on graduate and professional school opportunities; on-going notification of on-campus interviews and job fairs; access to ECU's employer database; and targeted online resume books.

Faculty Resources

The staff is available for class presentations and is happy to incorporate their services into the classroom curriculum. Resources are provided on the career service's website on legal and ethical guidelines for referring students, writing reference letters and more.

Colonel Card 1 Office

1st floor Powell Building
Phone: (859) 622-2176 Fax: (859) 622-6226

The Colonel Card 1 Office provides students with a variety of services regarding their ECU student identification card, the Colonel 1 Card. This identification card is used for meal plans, Colonel Cash, campus vending machines, laundry rooms in residence halls, at the ECU Bookstore and ECU Computer Store. The Colonel 1 Card Office is responsible for issuing new and replacement ID cards. Furthermore, the Colonel 1 Card Office will troubleshoot any issues that a student may have with their card or accounts associated with the card. In addition, students are able to sign up for their meal plans and add money to their accounts in the office.

The Colonel 1 Card will allow students access to the following:

- Athletic events
- University Library facilities
- Cashing checks
- Campus recreation
- University sponsored events
- Student Health Services

The Colonel 1 Card has three different accounts associated with the card:

- **Colonel Cash** - This is a prepaid account that can be used at the following locations: ECU Dining locations, ECU Bookstore, ECU Computer Store, campus vending machines, and laundry rooms in the residence halls. This account will carry balances over from year-to-year.
- **Meal Plans** - ECU Dining Services has several different meal plans to accommodate any student's needs. Meal plans can be used at any ECU Dining location. Please check with ECU Dining Services regarding terms and conditions associated with the meal plans.
- **Optional Flex** - This is a prepaid account that can be used at any ECU Dining location. Please check with ECU Dining Services regarding terms and conditions associated with this account.

Acceptable methods of payment are: cash, Visa or Mastercard, check, University account (meal plans only).

The Colonel 1 Card Office is open during the following normal business hours:

Monday, Wednesday, Thursday	8:00 a.m. - 5:00 p.m.
Tuesday	8:00 a.m. - 6:00 p.m.
Friday	8:00 a.m. - 4:30 p.m.

The Colonel 1 Card is property of ECU and is issued for convenience. It must be presented (or surrendered) upon request by authorized officials of the University. This card is to be returned upon termination of the holder's relationship with the University. Any expenditure associated with the use of this card is the responsibility of the holder until it is reported lost/stolen. A fee will be charged for damage made to the I.D. or if the card is lost or stolen. The loss of a card must be reported immediately to the Colonel 1 Card Office, Powell Student Center, (859) 622-2179.

Community Service and Student Engagement

128 Powell Building
Phone: (859) 622-3855
www.studentlife.eku.edu/communityservice

Who We Are

The Office of Student Life provides opportunities for students to get involved off campus by giving back to the Richmond community. The Department for Community Service and Student Engagement, located within the Office of Student Life, oversees the University's community service program.

What We Do

- Promote a culture of service to the ECU community to enhance student learning and personal development while teaching the need for civic responsibility and life-long service.

- Expose EKU students to diverse cultures and populations through community service activities.
- Provide a centralized location for EKU students, faculty and staff to connect with local community agencies.
- Work with Registered Student Organizations (RSO's), Living Learning Communities, and individual students to counsel and connect them with local volunteer and leadership opportunities.
- Provide local community partners with an accessible location on the EKU campus to publicize volunteer opportunities and recruit student leaders.

Why should EKU students volunteer? Community service extends learning and development outside of the traditional classroom setting. When students are able to directly connect community service with their academic curriculum, something powerful happens: they are able to consider how their skills, their education, their time, and their effort can truly make a visible impact on those around them. Students can learn valuable life skills, explore career interests, and make new friends. The benefits of volunteering are immeasurable.

Programs

- **Volunteer Fair:** The EKU Volunteer Fair is an occasion for EKU students to learn about the numerous volunteer opportunities in Madison County and the surrounding region. This event allows EKU students, faculty and staff the opportunity to speak directly with representatives from local nonprofit agencies regarding specific community needs.
- **Alternative Spring Break:** The EKU Alternative Spring Break program places teams of students in communities throughout the United States to engage in volunteer service and experiential learning during their spring break period. EKU students will complete short term community service assignments while learning about issues such as homelessness, hunger, poverty, disaster relief, literacy, and the environment. The primary goal of the EKU Alternative Spring Break program is to provide students with the tools that they will need to develop into engaged and mindful citizens who can not only identify important social issues and community needs, but who also take responsibility and action to meet these needs. Upon return to their own communities, students will transfer the lessons learned during their trip. This improved social responsibility will create lasting relations between EKU students and our local community through volunteer service.
- **Freshman Service Project:** During New Student Days, EKU students will have the opportunity to participate in a one-time service project meeting an identified need in Madison County. Whether it be helping to build a house, painting a homeless shelter, or organizing items in a food pantry, students will have the opportunity to start off the year showing off their talents and skills to their community all while making new friends and having fun!

Counsel and Connect

Whether it's to fulfill a class requirement or just because they want to get involved, students looking for volunteer opportunities can visit the Department for Community Service and Student Engagement to be connected with local volunteer and leadership opportunities that meet their individual needs and fit their busy schedules!

Other Programs

The Department of Community Service and Community Engagement oversees the development and implementation of several University sponsored programs including EKU Make a Difference Day, Martin Luther King Jr. Day of Service, and the EKU Holiday Giving program. Sign up to receive weekly emails announcing how you can get involved with these and other service opportunities.

Counseling Center

Student Services Building 571

Phone: (859) 622-1303 Fax: (859) 622-1305

www.counseling.eku.edu

The University Counseling Center offers services designed to promote the success of students in achieving their academic, social and personal goals. The Counseling Center staff consists of psychologists and counselors who provide personal and career counseling both individually and in groups. Counseling is offered on a short-term basis. Referral is provided when the need for counseling services is beyond the role and scope of the Counseling Center. Substance abuse assessment and counseling are also available at the Counseling Center. Psychiatric services are available on a limited basis. Counseling relationships are considered confidential as delineated by the APA Code of Ethics and Kentucky state law. Current students are eligible for counseling services.

Counseling Services

Counseling is viewed as another form of learning while in college. Typical college student concerns that may result in counseling are: adjustment to college, interpersonal conflicts, dealing with loss, test anxiety, time management, stress, academic pressures, anxiety, depression, motivation, making health decisions, traumatic experiences, eating concerns and choice of a major. Students can make appointments by calling 622-1303 or dropping by the Counseling Center.

Career Counseling Seminar (GCS 199 - one credit hour)

This course is offered each semester for students who are unsure of their major and career direction. Forty sections are offered each year and are taught by the Counseling Center staff and part-time staff.

"Tuesdays with the Counseling Center"

The Counseling Center offers workshops to address top mental health concerns. Top student issues include: stress management, procrastination, time management, ingredients of effective relationships, study skills and test anxiety.

Services for Faculty and Staff

The Counseling Center staff also provides consultation to the University community on referral and how to be most helpful to the distressed student. When a faculty member wishes to refer a student for immediate help, it is recommended that the faculty member call and speak with a counselor for consultation to discuss the appropriate action. Guidelines for faculty on how to identify troubled students and referral to the Counseling Center can be found at www.counseling.eku.edu/faculty_staff/referring_students.php.

Dining Services

17 Powell Building

Phone: (859) 622-3691 Fax: (859) 622-6226

EKU Dining Services provides food services to Eastern Kentucky University through the residence-dining program, retail operations, catering, and athletic concessions. It is the goal of both EKU Dining Services and Eastern Kentucky University to maintain high-quality food service for residence hall students and the campus community.

The Residence Dining program operates two dining facilities: the Fresh Food Company and the Stratton Cafe. There are also many retail food operations that are housed on Eastern Kentucky University's campus. The Fountain Food Court blends Aramark's signature Izzi's Southwest, Home Zone, Montague's Deli, and Bene Pasta & Pizzeria with Burger King, Chic-fil-a, Java City, and Freshens national brands. Java City at the Crabbe Library offers gourmet coffees, smoothies, bakery items, and quick service grab-and-go salads and sandwiches. In addition EKU Dining Services operates a convenience store and Blimpies Subs, located in the Martin Hall. It is open until midnight to accommodate students with evening classes.

EKU Dining Services also facilitates full-service catering for over 2500 functions each year. The dedicated catering staff provides a variety of services to both on-campus and off-campus sites.

EKU Dining Services and Eastern Kentucky University remain committed to enhancing the overall campus environment. Tremendous emphasis is placed on actively measuring customer satisfaction, responding to changing environments, and striving for continuous improvement.

Extended Campus Student Affairs

Student Services Building 532

Phone: (859) 622-2052 Fax: (859) 622-2402

With joint responsibility to Continuing Education and Outreach and the Division of Student Affairs, the Coordinator for Extended Campus Student Affairs works with the Corbin, Danville, Lancaster and Manchester campuses and serves as a liaison with the Richmond campus. The department strives to assist students with programs, activities, events and learning opportunities gained in addition to the classroom experience. The office sponsors many programs and events including:

- Student Appreciation Days
- Intramural sports
- Clubs and organizations
- Transition to Richmond campus tours
- College experience enhancing programs

Meditation Chapel

University Chaplain

Phone: (859) 622-1723

www.studentaffairs.eku.edu/chapel/

The Chapel of Meditation is the realization of a dream begun in 1968 when the Eastern Kentucky University Alumni Association adopted the Century Fun Project to finance a non-denominational chapel. The chapel stands as a testimonial of the love and devotion of the alumni, faculty, students and friends, a fit to commemorate the 100th anniversary of higher education on the Eastern Kentucky University campus.

The chapel is non-sectarian and is open to students, faculty, staff, alumni, and friends of the University for meditation, prayer, and spiritual reflection. The chapel is also used for several other events such as:

- Weddings
- Memorial services
- Sorority and fraternity events
- Religious organization events and services
- Academic department meetings
- Honor Society events
- Athletic events

The University Chaplain's office is located in the basement of the chapel. The Chaplain coordinates the various activities of the chapel and is available to perform weddings. Besides providing a peaceful and serene setting for prayer and meditation, the chapel is used to house various student organization meetings and services, weddings, and annual memorial services.

Multicultural Student Affairs

Student Services Building 530

Phone: (859) 622-4373 Fax: (859) 622-2402

www.studentaffairs.eku.edu/multicultural/

Multicultural Student Affairs is an office that seeks to bring issues of cultural identity to the foreground of campus conversation through programs and services. As a department within the Division of Student Affairs, this office exists primarily to serve all students as they question personal and collective notions of race, ethnicity, and culture. Multicultural Student Affairs hopes to enhance the student experience by encouraging the utilization of campus resources, participation in campus life, understanding and respecting cultural differences, and promoting tolerance and inclusiveness.

The Office of Multicultural Student Affairs is actively engaged in collaborative efforts with other departments and academic areas on campus. The office sponsors many programs including:

- Cultural Awareness Month
- Mix-It-Up Lunch
- Cultural excursions
- Unity Fest
- Real Women's Brunch

The office also supports the efforts of various Eastern Kentucky University student organizations such as R.E.A.L. Men (Responsible, Educated, Accountable, Leaders), Black Union, FUSION (Multicultural Club), Eastern Kentucky University Gospel Ensemble, OWLS (Older Wiser Learners), Pride Alliance, International Student Association and the National Pan-Hellenic Council (NPHC).

Parking/Transportation Services

Mattox Hall Suite A

Phone: (859) 622-1063

Fax: (859) 622-2243

www.parking.eku.edu

Eastern Kentucky University Parking and Transportation Services provides parking and transportation options in support of the University's mission, by providing quality customer service and proper management of parking and transportation resources.

This mission is accomplished by enforcing applicable parking rules and regulations, providing safe and efficient transportation services, conveying a positive attitude, and requiring the highest standards of personal and professional conduct.

The Parking Office provides parking information, issues parking permits for the campus community and visitors, coordinates parking for special events, and enforces parking rules and regulations.

The Transportation Office provides day and evening shuttle transportation and motor pool/fleet services.

See Parking and Transportation website, www.parking.eku.edu, for additional parking and transportation information including parking regulations, shuttle schedules, and hours of operation.

EKU Police

Mattox Hall

Phone: (859) 622-2821 Fax: (859) 622-6279

www.police.eku.edu

The mission of the Eastern Kentucky University Police Department is to enhance the quality of life by providing a safe and secure environment through professional service to the community. The success of our mission depends on this partnership utilizing a community policing philosophy. The department places high priority on honesty and integrity and values the need for effective and open communication with the community we serve. We value our employees and are committed to their professional development.

The University offers a variety of informational programs that inform students and employees on safety and security issues, including how to report crimes and how to prevent crimes. These programs are available on request by student groups, employees, or individuals. These programs include, but are not limited to:

- Crime Prevention and Security Awareness
- Drug and Alcohol Abuse Education Program
- Sexual Assault Prevention
- Residence Hall Security

The University Police provide 24-hour patrols of the Eastern Kentucky University campus buildings, parking lots, residence hall exteriors, and campus grounds. University police officers have full authority on all University property and concurrent jurisdiction on all roads and streets adjacent to the campus. The University Police also have the authority to investigate crimes committed on University property anywhere in the state.

The Eastern Kentucky University Police Department includes 26 sworn police officers, 3 dispatchers, 1 records office associate, and 7 student cadet officers. The University Police has jurisdiction over all campus owned, leased or controlled property, on all roads through and adjacent to campus, and anywhere in the state if a crime is committed on campus. They have police cruisers that patrol throughout campus and are highly visible along with bicycle patrol and foot patrol officers. The campus police department also houses a full time investigative detective who heads primary investigations and works closely with surrounding agencies. The Eastern Kentucky University Police Department has an excellent working relationship with state, local, and federal law enforcement agencies and other emergency providers.

Student Health Services

Rowlett 103

Phone: (859) 622-1761 Fax: (859) 622-1767

www.healthservices.eku.edu

The mission of Student Health Services at Eastern Kentucky University is to provide our students with the best quality acute ambulatory medical care in a compassionate environment, while providing education on healthy lifestyles from which our students can benefit for the rest of their lives.

Student Health Services has three primary goals: first, to address any acute medical condition that threatens health, interferes with function, reduces performance, and serves as an obstacle to learning and personal growth; second, to educate our student body on healthy lifestyle choices that promote wellness and reduce the chances of disease - the preventive approach; third, to serve as a source of information and access to community based assistance programs. Services provided at the Health Center include:

- Outpatient acute medical care
- Allergy shots
- Basic laboratory tests
- Family planning clinic
- Certain immunizations
- X-Ray requests
- Tuberculosis skin testing
- Health education
- Pregnancy testing
- AIDS education/testing referral

A variety of free pamphlets, booklets, and other materials are available at the SHS. Students may utilize the computer terminal with Internet access in the SHS lobby to look up health related topics of interest.

Student Health Promotion and Education

Rowlett Building 103

Phone: (859) 622-6221

www.healthservices.eku.edu/HEAT/

The Office of Student Health Promotion and Education works in partnership with students, faculty, and staff to promote optimal health. Our mission is to share information, develop skills and empower students to make healthy lifestyle choices. We support health and wellness throughout the University community and provide opportunities for University-wide collaboration.

Some of the issues addressed by the Office of Student Health Promotion and Education include:

- Weight Management (FAB): FAB is a weight-loss support group conducted weekly to help EKU students and staff adopt a healthy lifestyle. There are weekly weigh-ins, support group meetings to share tips and knowledge and a graduate nutrition student to lead the sessions. At least once a month during the sessions there will be specific nutrition topics covered by the nutritionist. Walking groups are available upon request. These groups meet at Student Health Services.
- Nutrition/counseling
- Exercise program
- Healthy relationships, domestic violence and sexual assault
- Sexually transmitted diseases

- Alcohol and substance abuse (in cooperation with Alcohol Beverage Control)
- Stress management
- Tobacco use
- Breast and testicular cancer awareness
- Diabetes awareness
- Peer education
- Health Education Action Team (H.E.A.T.) A team of peer educators whose mission is to educate fellow students on healthy lifestyle choices. The team concentrates on issues pertinent to college students, and advances its message through events organized and presented in collaboration with other departments of the University and community agencies, both in and out of the classroom. H.E.A.T. is a campus organization that is geared towards empowering students with knowledge and facts concerning health issues. Our aim is not to enforce ideas but, to assist students in making informed decisions.
- Men Advocating Awareness about Rape and Sexual Assault (M.A.R.S.) This group provides educational programming to all students on campus on rape and sexual assault issues. They utilize the MVP (Mentors in Violence Prevention Program) model and generally present programs in teams. M.A.R.S. also sponsors the yearly Take Back the Night and other awareness events.
- Student Athlete Peer Health Education Team (S.A.P.H.E.T.) This group is designed to meet the educational needs of student athletes. The peers involved in this group are student athletes who work directly with the athletic teams.

Student Involvement and Leadership

Powell Building 128
Phone: (859) 622-3855 Fax: (859) 622-6598
www.studentlife.eku.edu

The Office of Student Life provides numerous activities to Eastern Kentucky University students, which include registered student organizations, leadership development opportunities, and social events. The office also provides unique educational sessions to assist students in their collegiate holistic development inside and outside the classroom. In addition to academic programs, the University provides many services and activities that promote mental/physical health and social/academic well being. There are several ways to get involved. Eastern Kentucky University is home to more than 170 registered student organizations in nine different categories:

- Activity/interests
- Residence Hall Councils
- Club sports
- Departmental
- Honorary
- Social fraternity
- Social sorority
- Service
- Religious

The mission of the Leadership Development program at Eastern Kentucky University is to support the development of leadership skills among current and emerging student leaders through conferences, classes, workshops, consultations and a resource center.

Workshops and Seminars

The Office of Student Life offers many programs ideal for meetings, special programs, and informal gatherings. Topics include: goal setting, group dynamics, time management, ethics, diversity, motivation, recruitment/retention, stress management, women and leadership, assertiveness, leadership styles, conflict management, and FISH! for college.

Leadership Course (GSD 225)

This seminar course is designed to introduce current and emerging leaders to leadership theory and development. Information will be provided through group activities, guest speakers, role playing, class discussions, and assignments.

E-LEAD Eastern's Leadership Education and Development

E-LEAD is a leadership development initiative that has been created by Student Affairs professionals and focuses on the personal growth of young aspiring leaders. To strengthen registered student organizations, E-LEAD also provides ongoing developmental workshops and activities. All Eastern Kentucky University students have the opportunity to participate.

Student Activities

"You can go to college and earn a degree or you can get involved and receive an education." (author unknown) Here at Eastern Kentucky University the Office of Student Life is dedicated to making sure that every student has the opportunity to get involved. Thursday Alternative Getaway (TAG), Breaking Point Music Series, Student Activities Council, and One Night Stand Comedy Series are excellent programs geared toward entertaining Eastern Kentucky University students, faculty, staff and the surrounding community. Whether you want to help select the acts, perform technical functions at the show, or simply show up and enjoy the entertainment, there is something for everyone! Breking Point takes place every Wednesday in the Fountain Food Court on the lower level of Powell. TAG events are designed to be alternative social options on Thursday nights. TAG is on alternating Thursdays. One Night Stand Comedy Series is on alternating Tuesday nights, and features performers who have appeared at some of the nation's top comedy clubs. All TAG, One Night Stand, and Breaking Point events are FREE. The Student Activities Council is a division of the Student Government and provides other entertainment opportunities throughout the year. See you at the show!

STUDENT SERVICES

The Alumni Association

The Eastern Kentucky University National Alumni Association serves as a link between the University and its alumni by maintaining records, fostering communication, and sponsoring programs and activities designed to enhance this relationship.

All Eastern Kentucky University degree recipients and former students with 25 or more credit hours are considered alumni of ECU. The National Alumni Association is served by a board of 26 alumni volunteers who meet three times annually. Their work includes selection of the Alumni Awards, Alumni Scholarship recipients and other duties.

In addition to active Alumni Chapters, the Alumni Association coordinates multiple gatherings across the nation to encourage alumni and friends of EKU to come together.

Other regular Association activities include Alumni Weekend held annually in April and Fall Homecoming. These events bring alumni back to campus to reconnect with their classmates as well as giving the opportunity to see students and learn about our academic programming.

The Alumni Association helps to publish an Alumni Directory, usually every five years. This directory is a compilation of information about alumni including their name, class year, occupation and contact information.

Computer and Related Resources

ITDS (Information Technology and Delivery Services) provides technology laboratories for student use in numerous campus locations including a small cluster in each residence hall. Over 400 state-of-the-art computers are available for student use, many 24 hours per day. All locations provide laser printing, some in color. Assistance with computer-related projects and assignments is available in our staffed labs - Crabbe Library, Combs Classroom Building, Powell Building, and the Student Services Building. Laptops, projectors and other types of technology related equipment are available for student checkout.

ITDS Helpdesk provides information and solutions to computer-related problems. Please call (859) 622-3000 or come to Combs Classroom Building Room 207 to contact a Consultant.

The EKU Computer Store, conveniently located in the Student Services Building, sells technology-related equipment (computers, printers, cameras, and accessories) and software at academic discount pricing. The store also provides a print station for digital photography, a fax machine, and CD duplication. It is open Monday through Friday from 8:00 a.m. - 4:00 p.m.

Printing Services offers assistance to students and student organizations in designing and reproducing their projects with a professional appearance. Same-day service for most projects (e.g., coil and spiral binding, multiple page copying, poster and banner printing, color copying, laminating, and 3-hole punching) is available at a reasonable cost. Projects can be processed from most desktop publishing and word processing software.

EKUDirect is an ITDS service that provides internet access to student records and many University business functions such as registration, bill payment, advising information, and automobile registration. Through EKUDirect, students can do business with the University anytime from anywhere.

ITDS provides e-mail and web space for personal web sites to all students. ITDS provides an email antispam solution. To view your trapped spam or increase your level of filtering aggressiveness please login to antispam.eku.edu. Information on how to activate your student email is available on EKU's web page <http://www.eku.edu>. Information is also available via the web about how to change/reset your password.

Wireless access is available in all academic buildings and we are in the process of implementing it in outdoor environments and residence hall lobbies. The wireless network is based on the 802.11g standard and provides up to 54Mbps connectivity. Both secured and unsecured (limited access) wireless is available. For PC configuration information go to wireless.eku.edu.

ITDS provides high speed internet access in all of the residence halls (ResNet) and free computer anti-virus software. For computers to be used in the residence halls, ITDS requires the following:

Required Hardware/Software

10 or 10/100 Ethernet card (PCMCIA for laptops)
Network cable (RJ45 CAT5) (25' recommended length)
EKU version of Symantec Antivirus
Cisco Clean Access Agent

Minimum Computer Requirements

Windows Compatible (Desktop/Laptop)

Pentium 3 or better
800 MHz processor or better (Pentium, Celeron, AMD)
256 MB RAM (Windows 2000 or XP)
512 MB RAM (Windows Vista)
10GB Hard Disk with 1GB free disk space
Windows 2000/XP/Vista
CD-ROM, USB, and/or 3.5" floppy
EKU Symantec Anti-Virus software**
Cisco Clean Access Agent**

Macintosh (Desktop/Laptop)

Power PC or better processor
OS X 10.1 or higher
64 mB RAM
1GB free disk space
CD-ROM and/or 3.5" floppy
Symantec Anti-Virus software**

**May be downloaded free from EKU once connected to ResNet.

In support of student learning, eight computer classroom laboratories maintained by ITDS are available for reservation by instructors to enhance the classroom experience of their students. ITDS is responsible for the BlackBoard Online Learning System used by many of our instructors to enhance the student learning experience with web-related teaching, messaging, and testing.

Your E-Key account provides access to BlackBoard, EKU's online learning system. Online courses, thousands of classroom courses, and many campus organizations use BlackBoard for web-related teaching, communications and testing.

Entitlements

The **VETERANS PROGRAM** at Eastern Kentucky University is approved by the Kentucky Approving Agency for Veterans Education for the education of veterans and their eligible dependents. Students concerned with veterans training should have, at the time of registration, a certificate of eligibility. This is secured from the regional office of the Veterans Administration. The University is responsible for the completion of certain Veterans Administration forms and the other necessary information about students who receive this aid.

If you have completed courses while in the armed forces, ask the Registrar about the possibility of receiving credit for such courses.

VETERANS ADMINISTRATION BENEFITS. War orphans, widows, children and wives of deceased and disabled veterans should contact the Veterans Administration, 600 Federal Place, Louisville, Kentucky (phone 1-800-827-1000). Application forms are available in the Eastern Kentucky University Office of Veterans Affairs. For information concerning tutorial assistance or refresher courses, contact the Office of

SECTION THREE - STUDENT SUPPORT AND SERVICES

Veterans Affairs at Eastern Kentucky University in the Student Services Building, Room 251. The telephone number is (859) 622-2345.

VOCATIONAL REHABILITATION. This program offers assistance for students with physical disabilities of various kinds. The telephone number is (502) 564-7172 or toll free 1-800-372-7172. For more information about eligibility criteria call the Department of Voc Rehab at (502) 564-7172.

FELLOWSHIPS

African-American students who have been accepted to the graduate school and are 1) eligible for in-state resident fee status and 2) registered as part-time students may apply for a \$500.00 African American Graduate Fellowship through the graduate office. Awards are available for the fall and spring semesters and can be applied toward tuition, books/material and incidentals.

GRADUATE ASSISTANTSHIPS

Graduate Assistantships are offered in many academic areas to full time graduate students with outstanding academic records. Duties may include laboratory supervision, teaching, and research related tasks. Stipends are competitive and include a scholarship to cover the out-of-state portion of the tuition. Additional assistantships are available through the Office of Student Housing.

DR. RODNEY GROSS SCHOLARSHIP

The Dr. Rodney Gross Scholarship provides financial assistance to high-achieving black U.S. citizens who are residents of the Commonwealth of Kentucky as defined by the Council on Higher Education's residency-for-fees policy. Applications may be received by contacting the Office of Scholarships by phone (859) 622-8032 or via the web at www.scholarships.eku.edu.

Student Loans

The **FEDERAL PERKINS LOAN** is a 5 percent simple interest loan awarded to exceptionally needy students. This loan is made to degree seeking post-baccalaureate and graduate students. Rank I students are not eligible.

Repayment begins nine months after the student ceases to be enrolled on at least a half time basis. There are certain occupations which allow a student to cancel a percentage of the money they borrow from this program. Contact the Loan Accounts office in the Student Services Building (SSB), Room 216, for more information regarding the cancellation and deferment options. All first time Federal Perkins Loan borrowers must be enrolled for thirty (30) days before their first Perkins disbursement can be released.

The **FEDERAL SUBSIDIZED STAFFORD LOAN PROGRAM** is a need based program available to students who are enrolled at least half time. This loan is for degree seeking graduate students and post-baccalaureate students. Rank I students are not eligible. The interest rate is fixed. It is set each year based on the 91 day Treasury bill plus 2.5 percent. Contact the Division of Student Financial Assistance after July 1 for the current year interest rate.

The Federal Government pays the interest while the student is enrolled at least half time. A student has six months after ceasing to be enrolled as a half time student before repayment begins.

All first time Federal Stafford Loan borrowers (subsidized as well as unsubsidized) must complete entrance counseling before their loan applications can be certified. Counseling can be completed on the Web. Go to www.finaid.eku.edu and click on the KHEAA Entrance Loan Counseling link.

The **FEDERAL UNSUBSIDIZED STAFFORD LOAN PROGRAM** is not based on need. It has the same interest rate as the Federal Subsidized Stafford Loan Program, but the student is responsible for paying the interest on this loan.

Graduate students may borrow up to \$8500 subsidized and \$12,000 unsubsidized per academic year. The actual loan amount will depend on the amount of other educational resources.

Keep in mind that the unsubsidized Stafford and the subsidized Stafford Loans combined cannot exceed the student's cost of education minus all other student financial assistance.

***Each annual loan limit is for one award year (12 month period; i.e., fall, spring, and summer).**

To apply for a Federal Subsidized or Unsubsidized Stafford Loan, all students must complete a Free Application for Federal Student Aid. Division of Student Financial Assistance will certify the loan and electronically submit the information to Kentucky Higher Education Assistance Authority (KHEAA). If the student has a signed Master Promissory Note (MPN) on file at KHEAA, the loan funds will be sent to Eastern Kentucky University on the specified disbursement dates. If the student does not have a signed MPN on file at KHEAA, an MPN must be signed electronically at www.kheaa.com.

Post-Baccalaureate Students - Students returning to work on a second undergraduate degree are not automatically eligible for the senior annual loan limit of \$5,500. Each student must submit documentation which indicates how many hours that student has toward the second degree.

The **STUDENT AID SOCIETY** (Emergency Loan) program is designed to provide emergency short-term loans to students. It must be repaid. Students may borrow a small amount of money on a personal note at a legal rate of interest for a one month period. Money is made available through contributions of the University, alumni, private organizations and many individual friends of the University.

You must be enrolled as a full time student, have a 2.0 ("C") overall grade point average and a means of repayment. All students are eligible to apply for these short-term loans regardless if they are receiving other forms of financial aid. An application form obtained from the Loan Accounts Office in the Student Services Building, room 216 must be completed. Allow at least two days for processing.

The loan must be repaid within four weeks and you are charged an interest rate of 6 percent or \$2 (whichever is greater). Students who have delinquent loans will have their grades sealed in the Registrar and will not be allowed to register for the next semester. Delinquent loans will be collected through a collection agency. Any additional expenses incurred in the collection of the note will be added to the student's repayment.

Office of Services for Individuals with Disabilities

The Office of Services for Individuals with Disabilities assists students, faculty and staff with disabilities by coordinating campus and program accessibility as well as providing support in the attainment of educational and work goals. The Assistant Director and Coordinator of the Disabilities Office, is located in the Student Services Building, room 361. Appointments are made by calling (859) 622-2933 (V/TDD) or coming to SSB, 361.

Individuals seeking services are required to provide the appropriate Coordinators with current disability documentation. Guidelines for documenting a disability are available at the office and on the office web site, <http://www.disabled.eku.edu>. Services are determined on an individual basis and may include but are not

limited to: notetakers, books on tape, use of assistive technology, equipment loan, building accessibility information, academic/test accommodations, handicapped parking and individual appeal cases.

Applications for **Project Success**, a comprehensive program for students with specific learning disabilities are located in SSB, room 361. Appointments are made by calling (859) 622-2933 (V/TDD) or coming to SSB, room 361.

Office of Deaf and Hard of Hearing Services

The Office of Deaf and Hard of Hearing Services enables students who are deaf and hard of hearing to achieve their educational goals, both academic and career. The office provides and coordinates accessible services including but not limited to: notetakers, interpreters, test accommodations, use of assistive listening technology and equipment loan which afford individuals equal opportunity to attain their goals. Current disability documentation is required. Services are determined on an individual basis. A comprehensive list of services may be found on the web at <http://www.disabled.eku.edu/terpserve/>. The Interpreter Coordinator is located in Case Annex, room 207. Appointments are made by calling (859) 622-2937 (V/TDD) or coming to Case Annex, room 207.

A Transition Specialist provides services geared towards assisting deaf/hard of hearing students in achieving college success. The specialist is located in Case Annex, room 202. Appointments are made by calling (859) 622-8456 (V/TDD) or stopping by the office.

ADA/504 Coordinator

The Director/ADA/504 Coordinator is located at the Turley House, room 101. Appointments with the Coordinator are made by calling (859) 622-1500 (V/TDD). Services for Individuals with Disabilities are made available in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Current students, faculty, staff and others interested in disability issues are invited to attend the EKU ADA Awareness and Accessibility Committee. A schedule of meetings and committee notes are available on line at <http://access.eku.edu>.

Speech-Language-Hearing Clinic

The Communication Disorders Program in the Department of Special Education offers services to students, faculty, staff, and members of the community at the Speech-Language-Hearing Clinic in Wallace 278.

Diagnostic and clinical treatment services provided by the Clinic include the following:

1. Screening for speech, language, and hearing problems.
2. Assessment and treatment of articulation disorders, phonological delays, delayed or disordered language, stuttering, voice disorders including laryngectomy, speech and language problems resulting from stroke or head injury, language disorders related to learning disability, and speech and language problems of individuals in areas of exceptionality such as mental retardation, cerebral palsy, cleft palate, hearing impairment, autism spectrum disorder, and emotional/behavioral disorder.

3. Assessment and treatment of hearing loss; treatment via fitting, programming, and maintenance of hearing aids and/or assistive listening devices, aural rehabilitation (including auditory training) and speech reading, and counseling regarding adjustment to hearing aid use.
4. Speech improvement for speakers of English as a second language and those desiring Standard English skills.

Anyone interested in the above services should contact the Clinic office manager at (859) 622-4444, Wallace 278, or visit the Clinic website: www.specialed.eku.edu/cd/clinic.

Student Automobiles

In order to facilitate parking for all students, faculty, and staff, Eastern Kentucky University requires the registration of motor vehicles utilizing campus parking facilities. Vehicle registration information can be obtained by contacting the Parking Office (859) 622-1063 or by logging on www.parking.eku.edu.

During the registration period, prior to the first day of classes, students registering for classes may park in any legal, non-reserved parking space in all areas, except employee parking lots (Zone E) which are marked by yellow signs.

After the commencement of classes, residential hall lots (Zone B) which are marked by blue signs, are restricted to residence hall permits 24 hours per day, seven days a week. Enforcement of employee and commuter parking zone regulations begins at 2:00 a.m. Monday-Friday. Commuter permits are also valid from 4:30 p.m. to 7:00 p.m. in employee (Zone E) parking lots. The Case Lot, Jones Lot, and a section of the Martin Lot are exceptions to this rule and are reserved for employees only until 9:00 p.m. After 7:00 p.m., parking zone restrictions are not enforced in non-residence hall lots.

Visitors may obtain temporary permits from the Parking Office located in 400 Brockton, Monday-Thursday 7:30 a.m. to 5:00 p.m. and Friday 7:30 a.m. to 4:30 p.m. Visitor permits are also available from the Division of Public Safety located in the Brewer Building from 5:00 p.m. to 7:30 a.m., seven days a week.

Student Publications

Eastern Kentucky University provides a variety of laboratory experiences through student publications. The Eastern Progress Advisory Board has been established to provide professional involvement in the activities of the Eastern Progress; the University's student newspaper. Academic and support units coordinate the institutional support of the publications, but do not govern the content. The courts have consistently held that where a tradition of student decision making exists in student publications, those publications are afforded the same Constitutional First Amendment protection as other publications. Concomitant with those rights, go certain responsibilities, which also accrue to the student publications. Accordingly, the responsibility for the content of the publications is that of the student editors and writers, and not Eastern Kentucky University or its Board of Regents.

The Eastern Progress, a 10,000-circulation weekly newspaper, is the official student publication of the University and all students are encouraged to take advantage of the journalism and advertising training it offers. The Progress has consistently been rated as an All American Newspaper by Associated Collegiate

Press and a Medalist paper by Columbia Scholastic Press Association. Since 1987, the Progress has won more than 20 national awards, including four national Pacemakers and three Gold Crown awards. It was recognized as the Best All-Around Campus Newspaper by the Society of Professional Journalists in 1997 and 1998. Reach the Progress online at <http://www.easternprogress.com>.

Aurora is a magazine of student writings published by its student staff to encourage interest in literary activity. Aurora accepts poems, one-act plays, short stories, prose sketches, and essays from any Eastern Kentucky University student. Editions are published in the fall (online by the ENG 420 class) and spring (hard copy). Cash prizes are awarded for the best works (fiction and poetry) at the time of the spring publication.

SECTION FOUR

General Academic Information

GENERAL INFORMATION

Eligibility for admission to the Graduate School does not insure admission to a specific graduate program. Some programs may have additional requirements beyond the university minimums. All students who intend to pursue a particular graduate program should refer to the specific program requirements listed in the college and/or department section of this *Catalog*.

All programs assume certain formal and informal prerequisites. Normally any deficiencies in preparation must be resolved during the first enrollment.

No student may receive graduate credit for a course without admission to the Graduate School.

Attendance in The Graduate School at Eastern Kentucky University is not a right. It is a privilege which may be withdrawn by the University or any area of graduate study if it is deemed necessary by the Office of Graduate Education and Research in order to safeguard the University's standards.

The Office of Graduate Education and Research reserves the right to withdraw without credit or refund any student for whom application is incomplete at the end of the first enrollment.

Student Responsibilities

It is the student's responsibility to become familiar with all regulations and procedures required by the graduate program being pursued. In no case should a student expect waiver or exception to published program requirements by pleading ignorance to the regulation or asserting that an advisor or other authority did not directly present the information. All students should become familiar with the general academic information section of this *Catalog* and the specific college/departmental program requirements. Only the Graduate Council has the authority to waive the basic requirements stated in this *Catalog*. No statements made by any person regarding waiver of admission/program requirements shall in anyway bind the Graduate Council.

Class Attendance

The University expects all students to be officially registered and attend class. Students are responsible for course work covered during all class periods, including the first class meeting. Each instructor will record absences and deal with them in a manner consistent with departmental policy for that course. Since attendance policies vary among departments and for courses within departments, students must be familiar with the policy printed on the course syllabus.

If a student presents the instructor with an adequate and documented reason for an absence, the instructor normally will give the student an opportunity to make up the work missed, if this is feasible. Adequate reasons involve circumstances beyond the student's control, such as personal illness, critical illness or death in the immediate family, or participation in an approved University activity. No absence of any nature will be construed as relieving the student from responsibility for the timely completion of all work assigned by the instructor. It is the student's responsibility to initiate the request to make up class work missed.

Program Planning

Along with admission to the Graduate School, each student shall be assigned an advisor by the department offering the degree program into which the student plans to matriculate. The student shall take the initiative to become familiar with the objectives of his/her particular degree program and pertinent regulations, as they are described in this *Catalog*, prior to scheduling a conference with

the assigned advisor. Discussion of the student's personal and program objectives should take place prior to the first registration.

During the first term, the student must meet with his/her advisor to develop a planned program. Subsequent changes of the program plan are permissible, but must be approved on the appropriate form by the advisor, the department chair, and the Dean of Graduate Education and Research.

Use of Course work from Non-degree or Certification Programs on Degree Programs

Normally, no more than nine semester hours of work earned as a certification or general non-degree student may be applied to a graduate degree. Only courses with 3.0 or above earned grade points may be applied, although a grade in any course taken as a certification or general non-degree student will be considered in computing a student's overall grade point average.

Graduate Course Description

The semester hours which may be earned by successful completion of the course are indicated in parentheses immediately following the course title. e.g., (3).

I, II and A used in the description of a course indicates the course will be offered the fall semester, spring semester, and by announcement, respectively.

The description of the course format for courses which include a laboratory experience is found at the end of the course description. A course which consists of three hours of classroom lecture and two hours of laboratory is described as "3 Lec/2 Lab."

Graduate Cooperative Education

Graduate cooperative education provides the student with an opportunity to blend theory with practice resulting in a balanced education. Learning within the classroom is combined with practical on-the-job training in business, industry, and/or government.

The determination of eligibility for participation in the Graduate Cooperative Education Program is primarily an academic matter involving the department in which the student is majoring. Prior to enrolling in cooperative education, a graduate student should normally have completed nine (9) semester hours of graduate credit. All graduate students must have a 3.0 grade point average when applying for cooperative education.

Acceptance of a student into the program is also contingent upon the location of a suitable graduate level training site and an agreement with the employer to hire. The co-op student will normally be employed full-time for a period of one semester in accordance with the employer's schedule. The type of employment and the total hours of employment are determining factors in assigning co-op credit. The University requires a minimum of 80 hours of employment for each semester hour of academic credit for graduate co-op, field placement, practicum, internship and other such placements. The salary for each position is negotiable but must fall within state and federal wage guidelines. For additional information, contact the Director of Cooperative Education at (859) 622-1296.

ACADEMIC REGULATIONS**Academic Load**

During the fall and spring term the normal full-time course load for a graduate student is 9 - 12 credit hours. Exceptional graduate students may request dean's permission to register for additional course work, up to a maximum enrollment of 15 credit hours.

Graduate assistants are permitted to carry a maximum course load of 12 hours and a minimum load of nine hours of graduate work toward their program.

Six semester hours is considered a normal graduate student course load for the summer term. For enrollment verification and financial aid purposes 6 - 12 credit hours is full time summer status for graduate students. A graduate student who has established a superior academic record may petition the dean of the college of the student's major for permission to enroll in excess of 12 credit hours during the summer term; however the absolute maximum summer course load is 15 hours.

Transfer of Credit

A student may transfer from other accredited or professional graduate schools up to 12 hours of course work that has been accepted by his/her Master's or Specialist degree program without transferring in all graduate course work taken at that institution. Only the transferred work for the degree program will be used to calculate the overall grade point average. Any programs covered by an articulation agreement between Eastern Kentucky University and other colleges or universities are excluded from the 12 hour transfer limit. Official copies of transcripts must be submitted and evaluated before any transfer credit can be accepted. Certain courses submitted for transfer may not be considered equivalent to specified program requirements even though course titles are the same. Official requests for transfer of credits must be recommended by the student's advisor, the department chair, the college dean, and approved by the Office of Graduate Education and Research. Students who expect to transfer credits to meet program requirements at ECU should obtain official approval prior to registration for transfer courses. Official transcripts of approved transfer credits must be submitted to the Office of Graduate Education and Research, Eastern Kentucky University, Coates CPO 5A, 521 Lancaster Avenue, Richmond, KY 40475-3102 within 60 days after the course has been completed. Transfer credits taken during the final semester of a program will delay graduation and certification approval until official transcripts have been received in the Graduate School Office. If transfer work is taken during the semester in which a student is to graduate with a degree, the official graduate school transcript must be received in Eastern's Office of Graduate Education and Research within two (2) weeks of the end of the semester.

Credits earned at other institutions may be transferred only when grade points of "B" (3.0 on a 4.0 scale) or above has been earned. The credit-producing experience must be taught by a graduate faculty member with scholarly competence in the subject matter area to be considered for transfer. Graduate credit for "special workshop courses" may be considered for transfer only when it can be clearly documented that the course in question meets Eastern Kentucky University's graduate instructional standards and is clearly distinguishable from undergraduate work and from continuing education activities. Students on academic probation cannot take a course from another institution for the purpose of transferring the credit to their program.

Graduate Course Credit

All 700 level courses have undergraduate 500 level counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Credit will not be awarded for both the 500 and 700 level of the same course. Students who have previously taken the undergraduate counterpart of these courses at

the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart. Courses numbered in the 700 and 800 series are open only to graduate students.

Correspondence courses from any source are not applicable for graduate credit.

Graduate level courses are expected to require a minimum of four hours of outside preparation for every hour of lecture. Course syllabi are to reflect these expectations. Graduate courses other than those which are independently directed, shall be based upon a minimum of 12.5 clock hours of contact per hour of graduate credit. Workshop courses shall have a minimum of 25 clock hours of contact per hour of graduate credit. All credit producing experiences shall be based upon a minimum of one week of instruction per hour of graduate credit. The University requires a minimum of 80 hours of employment for each semester of academic credit for graduate co-op, field placement, practicum, internship and other such placements.

Grading System

1. Graduate Letter Grades

<u>Grade</u>	<u>Meaning</u>	<u>Grade Points Per Hour</u>
A		4.00
B		3.00
C		2.00
D	Failure	0.00
F	Failure	0.00
I	Incomplete	0.00
P	Passing	0.00
S	Passing	0.00
U	Failure	0.00
W	Withdraw	0.00
AU	Audit	0.00
CR	Credit Only	0.00
IC	Incomplete Correspondence	0.00
IP	In Progress	0.00
NC	No Credit	0.00
NR	Not Reported	0.00

Throughout this *Catalog*, specific grade requirements are to be interpreted precisely as stated. Thus, if a requirement specifies that a grade of at least "C" is required, a "C-" will not satisfy the requirement. If it is intended that "C-" is to be allowed, a "C-" will be listed rather than "C." This applies to all specific grade requirements.

The grade point average (GPA) is based on those courses in which a student earns a normal letter grade ("A"- "F", or "U"). The overall graduate grade point average includes all graduate course work taken by the student at any institution at any time unless specifically excluded. The program graduate grade point average includes only those courses included as a part of the student's planned program.

An instructor shall assign a grade of "I" if the instructor believes that the student has been unable to complete the course on time because of unavoidable conditions. Any student receiving a grade of "I" must coordinate with the instructor to satisfy all outstanding coursework for the course. Students should not register to repeat the course in a subsequent term. Once outstanding requirements for the course are satisfied the instructor will process a change of

grade converting the “I” to a letter grade. The deadline for the grade change is the last day of class of the next full-length (i.e., fall or spring) term. Once this deadline has passed, the “I” becomes an “F.”

A grade of “IP” is available for courses which the graduate faculty has anticipated may take more than the normal semester, such as thesis. “IP” grades are available only in courses which have been approved to receive “IP” grades by the Graduate Council and the Council on Academic Affairs. A student assigned an “IP” grade for internship, practicum or self-paced courses must complete requirements within the calendar year after the “IP” is awarded to receive credit for the course. If requirements are not completed, the Registrar will change the “IP” grade to “NC” (No Credit), and the student must register again for the course to receive credit. Grades of “IP” for thesis must be changed within seven years.

2. Grade Appeals

If a student believes that the final grade assigned in a course is unjustified, that student should consult the instructor, seeking a satisfactory explanation. If, after doing so, the student still feels that the grade is unjustified, the student may appeal the grade, in writing, to the department chair. A written appeal must be filed with the chair within 30 days after the beginning of the next semester (exclusive of summer session). Refer to the *University Handbook for Students* for complete policy concerning grade appeals.

3. Repeating Courses and Grade Calculation

Students may repeat a graduate course one time for the purposes of grade replacement, as long as the repeat is not prohibited by the policy of the graduate program. Individual graduate programs may impose limitations on course repetitions, and the student should consult with the advisor and/or graduate program coordinator/department chair for the program’s policy regarding repeat of courses. An enrollment is counted as a repeat if previous enrollment in the course resulted in a passing or failing grade. The grade earned in the last taking of the course will replace the earlier grade. A graduate student may enroll in a course for the third time (second repeat) only under unusual circumstances and with the written approval of the advisor, the department chair/program coordinator of the student’s major, the dean of the college of the student’s major, and the Dean of the Graduate School. If a student enrolls in a course for a third or subsequent time without approval, the student may be administratively withdrawn from the course. The grade earned in a course taken at another institution will not replace a grade earned at Eastern Kentucky University. A grade of “S,” “CR,” or “P” will not replace a letter grade.

4. Grade Change

All grade changes must be made by the following deadlines: for fall semester grades - the last day of classes for the following spring semester; and for spring and summer semester grades - the last day of classes for the following fall semester.

5. Changes to Transcript

Once a degree has been posted to the transcript, changes will not be made to courses or grades earned prior to the posting of the degree.

6. Pass-Fail Grades and Audit

The Pass-Fail and Audit options are available for students who wish to take graduate courses for their own professional growth or personal interest. Not all courses are approved to be taken as

Pass-Fail or Audit. The Office of the Registrar can verify whether a course is approved to be taken as Pass-Fail or Audit. The Office of the Registrar can verify whether a course is approved to be taken as Pass-Fail. Courses taken Pass-Fail or Audit may not be used in any graduate program. A few courses such as practicum, internship, and thesis which have been specifically designated for satisfactory-unsatisfactory grading only by the department may be used on any graduate program.

Students may select the “Pass-Fail” option by completing the Audit/Pass-Fail registration form, available from the Office of the Registrar. Students may change to or from the Pass-Fail option by the date specified each semester in the Colonel’s Compass. The student must submit to the Registrar’s Office the completed form as authorization to change their registered course to Pass/Fail.

Academic Bankruptcy of Graduate Work

Academic bankruptcy allows graduate students who have been in a different graduate program from their current graduate program at ECU to void a portion of the work attempted during one or more semesters of the prior enrollment(s). ECU offers this option because it recognizes that some students fail to perform satisfactorily due to factors that interfere with their academic performance.

To qualify for bankruptcy, a graduate student must meet the following conditions:

- (a) The student must be enrolled in a different graduate program than the one in which he or she was enrolled during the semester of the work to be bankrupted.
- (b) The student must have been out of the previously enrolled program for a period of at least five consecutive years after attempting the work to be bankrupted.
- (c) The student must state, in writing, his or her intention to declare bankruptcy to the Graduate School. The student will also specify which semesters are being requested for bankruptcy. Students may request to bankrupt any or all semesters of their prior work, but all work from a given semester will be bankrupted if the student requests to bankrupt that semester and if the request is approved.
- (d) The student may not have previously declared bankruptcy of ECU work.

If bankruptcy is granted, the bankrupted work will remain on the transcript but it will not be counted in the student’s GPA and will not count toward degree requirements. Students admitted to a new degree program under this policy will only be admitted with probationary status and must meet the requirements for probationary admission in order to maintain enrollment in the new graduate program.

Academic Integrity

The University has the right to expect students to adhere to the highest standards of academic integrity. Therefore, academic dishonesty will not be tolerated. Depending upon the seriousness of the infraction, students found guilty of plagiarism, cheating, or fabrication will be sanctioned in any of several ways. These normally range from receiving a failing grade on the assignment to being assigned a failing grade in the course; however, if the case is assigned to the Student Disciplinary Council, stronger sanctions are possible.

For a full description of what is considered plagiarism, cheating, and fabrication, refer to the section entitled Academic Integrity Policy in the *University Handbook for Students*.

Academic Probation

Students pursuing graduate degrees are expected to maintain a 3.0 graduate grade point average at all times. Students falling below the 3.0 GPA will be placed on academic probation. One semester

may be allowed for removing the GPA deficiency. Continued enrollment beyond the probationary semester will be permitted only with the recommendation of the advisor and the department chair/program coordinator to the Office of Graduate Education and Research. Students on academic probation cannot take a course from another institution for the purpose of transferring the credit to their program.

APPLICATION TO THE GRADUATE SCHOOL

Admission to the Graduate School at Eastern Kentucky University is based upon evidence that the applicant has already attained a certain minimal academic proficiency and will be able to pursue creditably a program of graduate study in a given field. Applicants must assume responsibility for filing complete admission data with the Office of Graduate Education and Research including the following materials:

Application Form—Each student must submit a completed application form with all requested information provided. Forms are available online at www.gradschool.eku.edu or upon request from the Office of Graduate Education and Research. There is a nonrefundable \$35 application fee for all first time applicants. An application submitted without the fee will not be processed.

Transcripts—One official copy of transcripts of all previous college/university credits showing all grades received and any degrees or certificates that have been awarded must be provided by each applicant. An official transcript must bear the seal and signature of the registrar from the sending institution. Graduates from all schools other than Eastern Kentucky University should contact their registrar(s) and request the official copy of their transcript be forwarded directly to the Office of Graduate Education and Research, Eastern Kentucky University, Coates CPO 5A, Richmond KY 40475-3102. **For a transcript to be “official” it must come directly from the Registrar(s) office to the Office of Graduate Education and Research.** Students seeking admission must be graduates of a fully accredited four year institution of higher learning authorized to grant the baccalaureate degree.

Examination Scores: Graduate Record Examination, Miller Analogies Test, Graduate Management Admission Test, PRAXIS—All applicants for admission to degree programs must submit satisfactory official score reports from one of the following tests as required by their prospective program: (1) the general section of the Graduate Record Examination (GRE); (2) the Miller Analogies Test (MAT); (3) the Graduate Management Admissions Test (GMAT); or (4) PRAXIS at the time of application for admission to graduate studies as required by the applicant's degree program. **Please refer to program areas for specific information on required tests.** Certain domestic students who have not had a prior opportunity to take the required test may be admitted provisionally for one semester provided they take the test during their initial semester as a graduate student. This opportunity is not available for all programs. Please refer to specific programs in this *Catalog* for this requirement. Some programs require area scores in the subject field in addition to the general section of the exam. Students who are applying for a Master of Business Administration degree must provide official scores on the Graduate Management Admission Test (GMAT). Students can obtain GRE and GMAT information by visiting the

Educational Testing Service at www.ets.org. Additional information for the GMAT can be found at www.mba.com. Additional information for the GRE can be found at www.gre.org. The school code for Eastern Kentucky University is 1200. Some students may be eligible for a fee waiver for the GRE. Students who are interested may contact the Graduate School for additional information. To schedule the Miller Analogies (MAT) students may contact the Office of Academic Testing at (859) 622-1281 or at www.testing.eku.edu. It is the student's responsibility to apply for and take the examination(s) and to have the official scores sent to: The Office of Graduate Education and Research, Eastern Kentucky University, Coates CPO 5A, 521 Lancaster Avenue, Richmond, KY 40475-3102.

Letters of Recommendation—Applicants for degree programs should solicit three letters of recommendation and request that they be mailed directly to the department offering the degree program as soon as possible. Certain programs may withhold admission until letters have been received. Please refer to program areas for specific requirements regarding letters of recommendation.

Application Deadlines—To provide adequate time for evaluating and processing applications for admission, some departments/colleges require materials to be submitted well in advance of the start of the academic term when attendance is planned. Please check with the department/college sponsoring the program in which you have interest to obtain information about application deadlines. ***All other applications must be received no later than two weeks prior to the beginning of the semester for which the student wishes to enroll. Post-deadline applications will be considered by the Graduate School only in exceptional cases.***

TYPES OF GRADUATE ADMISSION

After evaluation of an applicant's credentials by the appropriate department and by The Office of Graduate Education and Research, the applicant will be notified by letter from the Office of Graduate Education and Research that (1) admission has been granted under one of the categories listed below, or (2) admission has been denied, or (3) a decision has been deferred for reasons listed in the notice. An admission letter will be issued by The Office of Graduate Education and Research stating the conditions of admission and period of validity for the admission. An applicant who has not received an admission, denial, or deferral notice 48 hours prior to the beginning of the final regular registration period should contact, in person, the Office of Graduate Education and Research for clarification.

In certain areas the University may need to limit the number of students accepted for graduate work if the number of applicants exceeds the capacity of available facilities/faculty.

Attendance in the Graduate School at Eastern Kentucky University is not a right. It is a privilege which may be withdrawn by the University or any area of graduate study if it is deemed necessary by The Office of Graduate Education and Research in order to safeguard the University's standards.

Clear Admission

Applicants who meet the requirements for both general admission to graduate degree study and for a particular program are eligible for clear admission. General requirements for clear admission are:

- A. A baccalaureate degree from a regional, accredited institution.
- B. An overall undergraduate grade point average (UGPA) of 2.5 or of 2.75 (4.0 = A) on the last 60 semester hours of the baccalaureate program (all hours attempted in the semester in which the 60th hour occurs will be counted).
- C. Submission of acceptable official Graduate Record Examination (GRE) General Test Scores or an approved alternative examination. (See specific program requirements for information on acceptable alternative examinations and scores).
- D. A department may waive the requirements for clear admission stipulated in B. and C. for applicants having earned a graduate degree from a regional, accredited institution.
- E. Individual programs may have additional or higher criteria for clear admission.

Provisional Admission

An applicant unable to supply all of the required application materials prior to admission consideration, but who otherwise meets the admission requirements may be granted provisional admission upon the recommendation of the appropriate department and approval of the Office of Graduate Education and Research. Complete and satisfactory credentials must be received by the Office of Graduate Education and Research before the end of the semester in which the student has registered in a provisional status. A student will not be permitted to enroll in a graduate program with a provisional status for more than one semester. Provisional admission does not guarantee, in any way, subsequent clear admission. International students may not be admitted on a provisional basis.

Probationary Admission

An applicant who does not meet conditions B and/or C of the admission requirements for clear admission but does show promise for successful graduate study may be granted probationary admission upon the recommendation of the appropriate department chair and approval of the appropriate college dean and Dean of Graduate Education and Research. Students must be removed from probationary admission prior to registering in any graduate course work beyond an initial 12 hours. After obtaining probationary admission, the minimum condition for transfer from probationary admission status to clear admission status is the successful completion of at least nine hours of approved graduate course work at Eastern Kentucky University with a graduate grade point average of at least 3.0 at the end of the term in which the nine-hour minimum was completed and with no more than one grade (regardless of the number of course credit hours) of "C" or lower. Special course requirements or other conditions may be imposed by the department, academic dean, and/or the Office of Graduate Education and Research. The Office of Graduate Education and Research will inform the student of all conditions for consideration for clear admission at the time the student is granted probationary admission status. Since the transfer from a probationary admission status to a clear admission status requires the successful completion of graduate course work at Eastern Kentucky University, no student should attempt to take graduate course work for transfer from another school during the probationary admission period. A student admitted under probationary admission may not attempt any graduate course work graded pass/fail. In the case where specific courses have been designated by a program for the satisfactory/unsatisfactory grading

mode, a maximum of three hours of course work graded satisfactory/unsatisfactory may be permitted during the initial 12 hours. A student in probationary status may not hold an assistantship or be admitted to candidacy for any graduate degree without first achieving clear admission status. International students may not be admitted on a probationary admission basis.

Non-Degree Admission*General Non-Degree Admission*

An individual wishing to take graduate courses at Eastern Kentucky University for personal or professional development, but who does not plan to pursue a graduate degree program, may be admitted as a non-degree student with the approval of the Office of Graduate Education and Research. Non-degree students must hold a baccalaureate degree from an accredited institution and must have a minimum overall undergraduate grade point average of 2.0 (4.0 = A). Non-degree students are not eligible for graduate assistantships or financial aid offered through the University.

A former or currently enrolled non-degree student who wishes to apply for admission to a graduate degree program must submit a Program Change application to the Office of Graduate Education and Research for admission to a degree program. The student must meet all criteria for clear admission as stipulated by the department.

Certification Admission

An individual wishing to take graduate courses as a part of initial or additional certification programs, including Rank II and Rank I classification programs, is eligible for certification admission.

A former or currently enrolled certification student who wants to apply for admission to a graduate degree program must submit a Program Change application for Admission and all supporting documents as listed in this *Catalog* under the section APPLICATION TO THE GRADUATE SCHOOL. Admission as a certification or general non-degree student does not guarantee subsequent clear admission into a graduate program. Graduate credit earned as a certification or general non-degree student may be applied to a degree program only when the student meets all the minimum admission requirements; is granted clear admission after initial application; and approval is granted by the appropriate department, the college dean, and the Dean of Graduate Education and Research. Normally, no more than nine semester hours of work earned as a certification or general non-degree student may be applied to a graduate degree. Only courses with 3.0 or above earned grade points may be applied, although a grade in any course taken as a certification or general non-degree student will be considered in computing a student's overall grade point average.

Visiting Student Admission

Because of its unique programs and facilities, faculty, diversified institutes and workshops, Eastern Kentucky University is attractive to many students who have been previously admitted to other accredited graduate schools. In order for a visiting student to be officially enrolled for graduate credit at Eastern Kentucky University, the student must file an application form and submit an official Visiting Student Certificate. The Visiting Student Certificate must bear the seal of the Graduate School and the signature of the Graduate Dean where the student has been admitted. Copies of the visiting student forms may be obtained from the Office of Graduate Education and Research or will be sent to the student when the Office of Graduate Education and Research receives an application for Visiting Student Admission.

Undergraduate Admission - Concurrent

An undergraduate student who needs nine or fewer credit hours in one semester (three or fewer credit hours in one summer session) to complete all of the requirements of a baccalaureate degree at an accredited institution may be allowed to register for graduate credit work under the conditions described below.

All work for undergraduate credit will be completed during that semester or summer session. The total registration for all work will not exceed 12 credit hours in a semester (six credit hours in a summer session). All work to be counted for graduate credit must be approved in advance of registration by the graduate program advisor, the student's undergraduate college dean, and the Dean of Graduate Education and Research.

Approval forms for undergraduate/graduate concurrent enrollment may be obtained from the Office of Graduate Education and Research. The student must make application to the Graduate School and meet all pertinent conditions for admission. Graduate credits earned must not be used to meet undergraduate requirements.

Undergraduate Honors Admission - Concurrent

An Eastern Kentucky University undergraduate student who needs 30 or fewer credit hours to complete all of the requirements of the baccalaureate degree may be considered for undergraduate honors admission to the Graduate School to enroll in graduate course work or be considered for special provisional admission to a graduate degree program. To be eligible for undergraduate honors admission, the student must have an overall undergraduate grade point average of at least 3.5 at the time of admission. The student must maintain an overall undergraduate grade point average of at least 3.5 and a graduate grade point average of at least 3.0 to continue in the honors program. Students who wish to be considered for provisional admission to a graduate degree program are advised to take the GRE or other appropriate test during their junior year or during the first semester they hold undergraduate honors admission status. Students may earn a maximum of 12 graduate credit hours while holding undergraduate honors admission status. A maximum academic load of 15 hours during a regular fall or spring semester and of nine hours during the summer session is permissible when the student is concurrently enrolled in graduate and undergraduate level course work.

Application for undergraduate honors admission should be initiated by the student by completing an application to the Graduate School at least 30 days prior to requesting enrollment in any graduate classes. Undergraduate honors admission to Graduate School must be supported by all appropriate advisors and college deans, as well as the Dean of Graduate Education and Research.

Senior Citizens Admission

A senior citizen (65 years or older) who holds a bachelor's degree from an accredited institution may be granted special provisional admission to a degree program. Upon the completion of nine graduate credit hours with a minimum grade point average of 3.0, the student may be considered for clear admission to that degree program.

International Student Admission

International students who meet specific program requirements and for whom Eastern Kentucky University has appropriate programs at the graduate level are invited to make application. Such applications must be supported by satisfactory evidence of their qualifications to pursue a full course of study at this institution. Applications for admission of international students

are not considered complete without official transcripts showing grades and degree(s) awarded, official Test of English as a Foreign Language (TOEFL) scores, official scores on the Graduate Record Examination (GRE), Declaration and Certification of Finances and three letters of recommendation. Students who are applying for a Master of Business Administration program must provide official scores on the Graduate Management Admission Test (GMAT). Each of these examinations is given in a large number of centers throughout the world. Specific information on center locations, test dates, fees, and application materials should be requested from Educational Testing Service, CN 6000, Princeton, New Jersey 08541-6000, U.S.A. or www.ets.org.

The completed application, all official transcripts, official TOEFL and GRE or GMAT scores, and the Declaration and Certification of Finances must be received by the Office of Graduate Education and Research no later than June 1 for fall admission, October 15 for spring admission and March 15 for summer admission. Please note that some programs have earlier application deadlines and/or only admit students for a particular semester, e.g. fall. Materials for these programs must be received in the graduate school 45 days prior to the program application deadline. Please see the program description for published deadlines. Appropriate I-20 forms will be issued after all official credentials have been received and the completed application has been reviewed. The U.S. Bureau of Citizenship and Immigration Services requires certification that all standards for admission have been met before the I-20 form is issued. Please see below for additional information concerning international student admission to Eastern Kentucky University.

SPECIAL INSTRUCTIONS FOR INTERNATIONAL STUDENTS ONLY

Eastern Kentucky University welcomes applications for graduate study from all qualified international students. The criteria for admission to the various programs of graduate study at this institution are the same for all students, but the United States immigration laws impose certain additional requirements which all U.S. institutions of higher education must abide by in admitting international students.

Admission procedures for all international students are developed in compliance with existing laws of the United States Department of Justice, Bureau of Citizenship and Immigration Services. International students are strongly encouraged to visit the Graduate School website at www.gradschool.eku.edu for additional application materials and instructions.

Transcript Requirements

To be considered for entry as a graduate student, an applicant must have had four years of university level work following a twelve year elementary-secondary program and have been awarded a degree equivalent to the four year baccalaureate degree awarded by U.S. universities. The international institution of learning must be recognized by the American Association of Collegiate Registrars and Admissions Officers, and individual credits may be evaluated for acceptance or transfer. Grade point standings will be determined by appropriate conversion scales from the individual institutions.

When credentials are submitted in support of any application, they should be the original document (in certain rare cases, certified "true copies" bearing the United States Embassy official seal may be accepted). An official translation must be attached to these records if they are in a language other than English. Credentials

must include a record of all degrees earned, detailing all subjects taken and grades obtained. Remember that uncertified photostat copies are not acceptable.

English Proficiency Requirement

Eastern Kentucky University requires the Test of English as a Foreign Language (TOEFL) of all applicants whose native tongue is other than English, including those from India. A minimum score of 550 is needed on the test to be accepted at Eastern Kentucky University. To register you must obtain the TOEFL BULLETIN, which includes a registration form. BULLETINS are available in many locations outside the U.S., usually at American embassies and consulates, Office of the United States Information Service (USIS), United States educational commissions and foundations, binational centers, and many private organizations such as the Institute of International Education (IIE), African American Institute (AAI), American Friends of the Middle East (AFME), and American-Korean Foundation.

Students who cannot obtain a TOEFL BULLETIN and registration form locally should write for them, WELL IN ADVANCE, to: TOEFL Services, CN 6151, Princeton, New Jersey 08541-6151, USA.

Financial Resources Requirement

Graduate applicants MUST complete the Declaration and Certification of Finances from which accompanies the application for admission to Graduate School. Applicants should have available the approximate sum of \$17,000 American dollars for each academic year at Eastern Kentucky University, exclusive of travel expenses. We estimate this amount will cover the bare minimum cost of tuition fees, books and supplies, room and meals, health insurance (see below) and incidentals for a single person. It should also be indicated how expenses will be met for subsequent years of study if the program of study will require more than one year. It should be kept in mind when computing expenses that students holding F-1 visas will be not authorized to work by the Bureau of Citizenship and Immigration Services except under extraordinary circumstances. Therefore, the applicant should not look to employment, either part-time during the academic year or full-time during the summer, as a significant means of support while attending Eastern Kentucky University.

You will need this documentation of sufficient funds when you apply to your local governmental agency for a visa and when you are cleared for entry by U.S. Consular officials. We suggest that you make and retain copies for this purpose.

An extremely limited number of graduate assistantships are available in some departments requiring research, laboratory, and other instructional duties. These assistantships are awarded on a competitive basis to a few exceptionally well qualified graduate applicants possessing special skills and qualifications. Native ability in English is a prerequisite. Students should write directly to the chair of the department to which they are applying for additional information about assistantships.

NOTE: Even if an assistantship is awarded, it is not sufficient to cover the total expenses of an academic year. The "Declaration and Certification of Finances" form should still be submitted indicating the additional funds available for the remainder of your expenses.

At the beginning of each registration period, you will be expected to pay in full the established fees for tuition, housing, and health insurance.

Health Insurance Requirement

At the beginning of the first semester on campus, international students must present evidence that they have current hospitalization, accident care, and surgery insurance that is payable in the United States, or they must be prepared to enroll in the University student insurance plan. They must carry some type of health insurance as long as they are enrolled at the University. Application should be made upon arrival at the Personnel Office, Jones Building room 203, Eastern Kentucky University.

University Housing

University Housing is usually available for single and married students. For complete information on housing, write well in advance to: Housing Office, Student Services Building CPO 51, Eastern Kentucky University, 521 Lancaster Avenue, Richmond, Kentucky 40475-3151.

Application Requirements

Applications for admission and all supporting credentials must reach the Office of Graduate Education and Research as far in advance as possible before the opening of the term you wish to enter. Completed applications and all official credentials (transcripts, letters of recommendation, Declaration and Certification of Finances, TOEFL scores, GRE scores, and GMAT scores for MBA candidates) must be evaluated at least 30 days prior to the initial enrollment date.

NOTE: I-20 forms (required for visa authorization) can only be issued by the University after the student has submitted all required official credentials and qualifications for admission to the graduate program indicated are verified.

Visiting Scholars

Visiting scholars at the graduate level may be admitted as non-degree students on the strength of their academic credentials by submitting transcripts and certificates of degrees. Scholars who are applying for the J-1 visa program must satisfy their host department and the J-1 Responsible Officer as to their academic preparation and their English language ability. The TOEFL test is not a requirement for such candidates; instead, they must demonstrate to the host department their ability to use English as necessary in their specific field or discipline. Visiting scholars will be issued the form IAP-66 by the Responsible Officer and must follow the regulations of the State Department as regards J-1 visa holders. Other non-degree international students may submit TOEFL scores to qualify for admission.

REGISTRATION

Graduate students may register via the web at www.eku.edu, (click on **EKUDirect**) on the dates stipulated in the *Colonel's Compass* (also found at www.eku.edu, look underneath **EKUDirect**, click on "Colonel's Compass"). Students should consult with their advisors. The student bears the responsibility for courses scheduled, subject to the policies and approval of the Office of Graduate Education and Research. The student is responsible for registering a motor vehicle, housing arrangements, and payments of all fees and assessments in accordance with prevailing University policy.

Students with interruptions of study on campus who wish to participate in registration should notify the Office of Graduate Education and Research of their plans to continue study, furnishing

full names and social security numbers, at least two weeks in advance of the published registration dates.

Change of Schedule

The University reserves the right to cancel a course when the registration is not sufficient to warrant its continuance, to divide classes if the enrollment is too large for efficient instruction, and to change instructors when necessary. Additional courses will be organized if the demand is sufficient.

The Graduate School reserves the right to suspend or alter registration orders not in consonance with the individual's planned program or in the instance of closed or canceled sections. Program modifications should be accomplished through the regular drop-add procedure on the dates designated.

Students who are assigned a grade of "F" in a course due to academic dishonesty will not be permitted to drop the course.

Withdrawal From The University

Students finding it necessary to withdraw from the University must withdraw from all courses via the Web. A withdrawal is granted only through the eighth week of classes during a regular semester or through the midpoint of any summer session or nonstandard course. A grade of "W" is assigned. Students who leave the University without an official withdrawal are subject to the grade of "F."

After the eighth week, a student who is the victim of extraordinary circumstances may petition to the Late Withdrawal Appeals Committee through the Office of the Registrar. The deadline for filing a petition for withdrawal under extraordinary circumstances is the last day of the full semester following the term from which the student is seeking withdrawal. The student should prepare a written petition and should include *justification and documentation* for the withdrawal. If approved, the Registrar will assign grades of "W" and will notify the instructors of the classes.

DEGREE COMPLETION REQUIREMENTS

Application for Graduation

A student planning to receive the master's or specialist's degree should apply prior to the beginning of the semester in which the student intends to graduate.

Students will be considered candidates for graduation only if they have an overall and program graduate grade point average of 3.0 or higher at the beginning of the term in which they wish to graduate. The Office of Graduate Education and Research may not accept an application for graduation from a student who is not eligible to be considered for graduation.

Language Requirements

In graduate programs requiring competence in a foreign language, the requirement may be met in one of three ways: 1) 12 hours of college credit in an appropriate language may be accepted; 2) a reading examination may be taken covering material appropriate to the discipline; 3) achievement of 3.0 or above in earned grade points in a designated course will be accepted as meeting the requirement.

Students must satisfy the language requirement prior to scheduling of the comprehensive examinations. Certain programs may require statistical competencies in lieu of a foreign language requirement.

Time Requirements

For master's degree programs of 40 or fewer hours, a graduate student is expected to complete requirements for the master's degree no later than seven years after beginning course work (e.g., a student whose initial registration for courses was Fall 2007 must complete the program in order to include this course work by the end of the Summer term 2014.) For master's degree programs of 41 or more hours, a graduate student is expected to complete requirements for the master's degree no later than ten years after beginning coursework. The minimum time interval required for completion of a graduate degree is two semesters of full-time study.

Minimum Hours Required

All master's degree programs and specialist's degree programs require a minimum of 30 semester hours each. Some programs require additional hours that exceed this minimum.

At least half of the total course work, excluding thesis, practicum, internship or co-op courses, shall be in courses open only to graduate students (800 level).

Master's Thesis Or Specialist's Project

Students who submit a thesis in partial fulfillment of the master's or specialist's degree must prepare it in conformity with the regulations approved by the Graduate Council. Two approval pages bearing original signatures of the graduate committee must be included with two typewritten, clear, unbound copies of the thesis and presented to the Office of Graduate Education and Research at least two weeks prior to summer Commencement and three weeks prior to the end of the fall and spring semesters. These two copies are bound and become the property of the University Library. If any additional bound copies are desired by the student or the department, they should be presented directly to the Library or a commercial bindery.

Theses must be on white paper of at least 50 per cent rag or cotton fiber content and must be in a form acceptable to the Office of Graduate Education and Research. Instructions for the preparation of theses should be obtained from the Office of Graduate Education and Research before the thesis is typed.

Theses must be developed under the direction of a faculty member who holds full graduate faculty status at Eastern Kentucky University.

Comprehensive Examination(s)

All candidates shall perform satisfactorily on a written and/or oral examination of the contents of their program of studies and/or the defense of their thesis. Particulars are specified by program.

Comprehensive examinations are scheduled after application for a degree has been filed and evidence exists indicating that the student should complete all degree requirements. Comprehensive examinations are not to be given prior to admission to candidacy, or while the student's overall or program graduate grade point average is below 3.0.

Committee chairs must file the Schedule of Oral/Comprehensive Examination in the Office of Graduate Education and Research with copies to the student and committee members at least two weeks prior to the comprehensive examination. Committee chairs shall certify the results of the completion of the comprehensive examination to the Office of Graduate Education and Research no later than ten days in advance of Commencement.

A review period of not less than 60 days nor more than one year is required of candidates who fail the comprehensive examination or thesis defense initially. Additional courses or thesis work may be required of a failing student. Committee changes are not normally approved between the first taking of the comprehensive examination or thesis defense and the retake. Comprehensive examinations may not be retaken more than once for the master's or specialist's degrees.

SECOND MASTER'S DEGREE REQUIREMENTS

Students desiring to pursue a second master's degree at Eastern Kentucky University shall have completed all requirements for the first master's degree at Eastern Kentucky University or another accredited university. In general, the same basic requirements for general admission, admission to candidacy, and other conditions previously stated in this *Catalog* relative to the first master's degree are also applicable to the second degree with the following exceptions:

A maximum of fifty percent of the required credit hours for the second master's degree may be applied from the first degree if such courses are within the seven year time limit, are appropriate for the second program and are approved by the program.

Candidates for a second master's degree must file application for admission to Graduate School and identify their second program prior to registration for additional course work. A student may apply for admission to a second degree program anytime after they have applied for graduation in their first program. Students should be admitted to the second master's program with an approved Planned Program prior to any additional registration. Individual programs have specific requirements which must be met before pursuing a second master's degree. Normally, any deficiencies in preparation for a second master's degree must be resolved during the first enrollment.

SPECIALIST'S DEGREE REQUIREMENTS

The University offers advanced graduate work leading to the Specialist in Education and Specialist in Psychology degrees. Beginning graduate students interested in two-year programs with special preparation for teaching or professional service opportunities in post-secondary technical school, junior or senior colleges should seek early advisement in order to assure proper program development. Students should refer to the appropriate college/department section for specific admission and program requirements. Twelve hours of course work must be completed after admission to candidacy for this degree.

COOPERATIVE DOCTORAL PROGRAMS

Eastern Kentucky University, in cooperation with the University of Kentucky, offers cooperative doctoral programs in education, geology, and rehabilitation sciences. These programs permit candidates to complete one year of graduate work beyond the master's degree at Eastern Kentucky University. The work of a candidate is directed by a joint faculty committee from both institutions. Throughout the term of the program, the student shall be enrolled in both schools but will pay fees only to the resident university. The doctoral degree is awarded by the University of Kentucky.

Any student considering a cooperative doctoral program should contact the Office of Graduate Education and Research to discuss their program prior to applying.

CATALOG APPLICABILITY

Students who are continuously enrolled in a graduate program will be governed by the catalog in force during the school year in which they were officially admitted to a graduate program. Graduate students who discontinue their enrollment for more than one calendar year, must apply for re-entry to the Graduate School and will be governed by the catalog in force at the time of re-entry. A student may elect to comply with the catalog currently in force. Exceptions to this policy must be approved by the Office of Graduate Education and Research.

SECTION FIVE

Academic Divisions

Accreditations and Memberships

Accreditations

EASTERN KENTUCKY UNIVERSITY IS ACCREDITED BY THE COMMISSION ON COLLEGES OF THE SOUTHERN ASSOCIATION OF COLLEGES AND SCHOOLS TO AWARD ASSOCIATE, BACCALAUREATE, AND MASTERS DEGREES. CONTACT THE COMMISSION ON COLLEGES AT 1866 SOUTHERN LANE, DECATUR, GEORGIA 30033-4097 OR CALL 404-679-4500 FOR QUESTIONS ABOUT THE ACCREDITATION OF EASTERN KENTUCKY UNIVERSITY. THE COMMISSION ON COLLEGES SHOULD BE CONTACTED ONLY IF THERE IS EVIDENCE THAT APPEARS TO SUPPORT AN INSTITUTION'S SIGNIFICANT NON-COMPLIANCE WITH A REQUIREMENT OR STANDARD.

AACSB International - The Association to Advance Collegiate Schools of Business

Accreditation Council for Occupational Therapy Education (ACOTE)

American Nurses Credentialing Center (ANCC)

Commission on Accreditation for Dietetics Education of the American Dietetics Association

Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Joint Review Committee on Education Programs for the EMT Paramedic

(Emergency Medical Technician/Paramedic)

(Associate Degree and Certificate Curricula)

Commission on Accreditation of Allied Health Education Programs on the recommendation of the Committee on Accreditation for Medical Assistant Education

(Medical Assisting Technology)

(Associate Degree Program)

Commission on Accreditation of Allied Health Education Programs
Joint Review Committee on Educational Programs in Athletic Training

Commission on Collegiate Nursing Education
(Baccalaureate and Masters Degree Programs)

Commission on Health Informatics and Information Management Education (CAHIM)

Council for Accreditation of Counseling and Related Educational Programs

Council on Education of the Deaf
(Baccalaureate Degree Program)

National Accrediting Agency for Clinical Laboratory Sciences
(Associate and Baccalaureate Degree Programs)

Accreditation Council for Occupational Therapy Education
(Baccalaureate Degree and Masters Degree)

American Speech-Language-Hearing Association, Council on Academic Accreditation (Graduate Degree Program)

Computer Science Accreditation Commission of the Computer Science Accreditation Board
(Baccalaureate Degree Program)

Council on Social Work Education
(Baccalaureate Degree Program)

International Council for Exceptional Children

International Society of Fire Services Instructors Emergency

Kentucky Vocational Agriculture Teachers Association

Management Accreditation and Certification System
(Professional Qualifications Council for Industry)

(Baccalaureate Degree Program)

National Association of College Teachers of Agriculture

National Association for the Education of Young Children

National Association of Industrial Technology

National Association of Schools of Music

National Association of School Psychologists

National Association of Schools of Public Affairs and Administration
(Master of Public Administration Degree Program)

National Environmental Health Science and Protection Accreditation Council
(Baccalaureate Degree Program)

National Council for Accreditation of Teacher Education

American Association for Health Education

National Association for Sport and Physical Education

National League for Nursing Accrediting Commission
(Associate Degree Program)

National Recreation and Park Association/American Association for Leisure and Recreation Council on Accreditation
(Baccalaureate Degree Program)

American Council for Construction Education

American Nurses Credentialing Center

American Chemical Society

(Bachelor of Science and Biochemistry Option)

Masters in Psychology Accreditation Council

(Clinical Psychology M.S. Program)

THE FOLLOWING PROGRAMS ARE APPROVED BY THESE AGENCIES.

Accreditation Council for Occupational Therapy Education (ACOTE)
Occupational Therapy

(Master of Science Degree Program)

American Bar Association

Paralegal

(Associate and Baccalaureate Degree Programs)

American Association for Health Education

Health Education, School Health Option

(Baccalaureate Degree Program)

American Drive and Traffic Safety Education Association (ADTSEA/

IUP National Teacher Credentialing Program)

Association of Graduate Faculties in Public Health

Community Nutrition

(Master of Science Degree Program)

Council of Applied Masters Programs in Psychology

Clinical Psychology

(Master of Science Degree Program)

School Psychology

(Specialist in Psychology Degree Program)

Federal Aviation Administration (FAA)

Aviation (Professional Flight)

(Baccalaureate Degree Program)

Kentucky Board of Nursing

Nursing

(Associate and Baccalaureate Degree Programs)

Kentucky Department of Education

School Psychology

(Specialist in Psychology Degree Program)

National Association for Sport and Physical Education

Physical Education, P-12 Teaching Option

(Baccalaureate Degree Program)

Public Relations Society of America

(Baccalaureate Degree Program; Public Relations Major)

Society of Public Health Educators

(Community Health Education Program)

Memberships

AACSB International - The Association to Advance Collegiate Schools of Business
 Academy of Criminal Justice Sciences
 Aircraft Owners and Pilots Association
 American Association of Airport Executives
 American Association of Colleges of Nursing
 American Association of Colleges for Teacher Education
 American Association of Collegiate Registrars and Admission Officers
 American Association of Educational Service Agencies
 American Association of Family and Consumer Sciences
 American Association of State Colleges of Agriculture and Renewable Resources
 American Association of State Colleges and Universities
 American Association of University Women
 American Association for Paralegal Education
 American College Health Association
 American Conference of Academic Deans
 American Correctional Association
 American Council for Construction Education
 American Council on Education
 American Council on the Teaching of Foreign Languages
 The American Dietetics Association
 General Dietetics
 American Driver and Traffic Safety Education Association
 American Historical Association
 American Hospital Association
 American Health Information Management Association Assembly on Education
 American Mathematical Society
 American Occupational Therapy Association
 American Political Science Association
 American Society of Allied Health Professions
 American Society of Human Genetics
 American Society for Training and Development
 American Statistical Association
 American Technical Education Association
 Associated Schools of Construction
 Association for Career and Technical Education
 Association for Computing Machinery
 Association of Education in Journalism and Mass Communications
 Association for Supervision and Curriculum Development
 Association for General and Liberal Studies
 Association for Gerontology in Higher Education
 Association for School, College, and University Staffing, Inc.
 Association of Departments of English
 Association of Environmental Health Academic Programs
 Association of Governing Boards of Universities and Colleges
 Association of Graduate Faculties in Public Health Nutrition
 Association of Schools of Journalism and Mass Communication
 Association of Departments of Foreign Languages
 Aviation Information Resources, Inc.
 Broadcast Education Association
 Broadcast Promotion and Marketing Executives Association
 College Art Association
 College Placement Council, Inc.
 Conference of Southern Graduate Schools
 Council for Advancement and Support of Education
 Council of Applied Masters Programs in Psychology
 Council of Colleges of Arts and Sciences
 Council of Graduate Departments of Psychology
 Council of Graduate Schools
 Council on Aviation Accreditation
 Council on Social Work Education
 Flexographic Technical Association
 Graphic Arts Technical Foundation
 Graphic Communications Council
 International Graphic Arts Education Association
 International Reading Association
 International Technology Education Association

International Television Association
 Kentucky Academy of Science
 Kentucky Association of Department of English
 Kentucky Broadcasters Association
 Kentucky Council of Associate Degree Nursing
 Kentucky Occupational Therapy Association
 Kentucky Paramedic Association
 Kentucky Press Association
 Kentucky Recreation and Park Society
 Kentucky Tourism Council
 Mathematical Association of America
 Mid-South Educational Research Association
 National Athletic Trainers Association
 National Association for Business Teacher Education
 National Association for the Exchange of Industrial Resources
 National Association for Foreign Student Affairs
 National Association of Advisors for the Health Professions
 National Association of College Admission Counselors
 National Association of College and University Attorneys
 National Association of Colleges and Teachers of Agriculture
 National Association of Industrial Technology
 National Association of School Music Dealers, Inc.
 National Association of Schools of Music
 National Association of Schools of Public Affairs and Administration
 National Association of Student Personnel Administrators
 National Collegiate Athletic Association
 National Collegiate Honors Council
 National Commission for Cooperative Education
 National Council of Arts Administrators
 National Council of Teachers of English
 National Environmental Health Association
 National Faculty Exchange
 National Fire Protection Association
 National Intercollegiate Flying Association
 National Intramural Recreational Sports Association
 National Juvenile Detention Association
 National League for Nursing
 National Organization for Associate Degree Nursing
 National Recreation and Park Association
 National Safety Council
 National Society for Experiential Education
 National University Continuing Education Association
 National Wellness Association
 Newspaper Association of America
 Screen Printing and Graphic Imaging Association
 Southeastern Airport Managers Association
 Southeastern Association of Advisors for the Health Professions
 Southeastern College Art Conference
 Southern Association of Colleges and Schools, Inc.
 Southern Association of Collegiate Registrars and Admission Officers
 Southern Association of Community, Junior, and Technical Colleges
 Southern Council on Collegiate Education for Nursing
 Southern Regional Education Board
 Southern Regional Honors Council
 Teacher Education Council of State Colleges and Universities
 Trainer of School Psychologists
 Travel and Tourism Research Association
 University Aviation Association

Academic Programs

Eastern Kentucky University offers the following programs which are registered with the Kentucky Council on Postsecondary Education. Many of these programs include approved options designed to provide a background tailored for students' individual needs. At the graduate level, these options are presented with the program descriptions in this *Catalog*. Options at the undergraduate level are found in the *Undergraduate Catalog*. Eastern Kentucky University cooperates with the University of Kentucky in offering joint doctoral programs.

MAJORS

DEGREES

Accounting	BBA	Environmental Studies	BS
Agriculture	AS, BS	Family and Consumer Sciences Education	BS
Anthropology	BA	Finance	BBA
Apparel Design and Merchandising	BS	Fire and Safety Engineering Technology	AA, BS
Art	BA, BFA	Forensic Science	BS
Art, Teaching (See Art B.A.)	BA	French	BA
Assets Protection and Security	BS	French (Teaching)	BA
Athletic Training	BS	General Business	BBA
Aviation	BS	General Psychology	MS
Biology	BS, MS	General Studies	BA
Biology (Teaching)	BS	Geography	BA
Broadcasting and Electronic Media	BA	Geology	BS, MS
Business Administration	MBA	Graphic Communications Management	BS
Business and Marketing Education/Teaching	BS	Health Education	BS
Career and Technical Education	AAS, BS, MS	Health Education (Teaching)	BS
Chemistry	BA, BS, MS	Health Services Administration	BS
Child and Family Studies	BS	History	BA, MA
Clinical Laboratory Technology/Science	AS, BS	History (Teaching)	BA
Clinical Psychology	MS	Homeland Security	BS
Communication Disorders	BS, MA in Ed	Horticulture	BS
Communication Studies	BA	Human Services	MA
Community Nutrition	MS	Individualized Studies	BIS
Computer Electronic Networking	BS	Industrial Technology	BS, MS
Computer Information Systems	BBA	Instructional Leadership	MA in Ed
Computer Science	BS	Insurance	BBA
Computer Science, Applied	MS	Interpreter Training Program	BS
Computer Science and Mathematics (Teaching)	BS	Joint Doctoral in Biology, General*	PhD
Construction Management	BS	Joint Doctoral in Educational Policy Studies and Evaluation*	EdD
Corporate Communication and Technology	BBA	Joint Doctoral in Educational Psychology*	EdD
Correctional and Juvenile Justice Studies	AA, BS, MS	Joint Doctoral in Geology*	PhD
Creative Writing	MFA	Joint Doctoral in Health, Physical Education, and Recreation*	EdD
Criminal Justice	BS, MS	Joint Doctoral Program in Rehabilitation Sciences*	EdD
Deaf and Hard of Hearing	BS	Joint Doctoral in Instruction and Supervision*	EdD
Dietetics, General	BS	Joint Doctoral in Special Education*	EdD
Early Childhood Development	AS	Journalism	BA
Earth Science/Teaching	BS	Library Science	MA in Ed
Economics	BA	Management	BBA
Educational Leadership	MAEd	Marketing	BBA
Elementary Education (P-5) (Teaching)	BS, MA in Ed	Master of Arts in Teaching (Elementary, Middle Grade, Secondary)	MAT
Emergency Medical Care	BS	Mathematical Sciences	MS
English	BA, MA	Mathematics	BS
English (Teaching)	BA	Mathematics (Teaching)	BS
Environmental Health Science	BS	Medical Assisting Technology	AS
		Medical Practice Management	BS
		Mental Health Counseling	MA
		Microbiology	BS
		Middle Grade Education (5-9) (Teaching)	BS, MA in Ed
		Military Science	Commission
		Music	BM, MM
		Music, Teaching (See Music B.M.)	BME

Nursing	ASN, BSN, MSN
Nutrition Care Management	AS
Occupational Science	BS
Occupational Therapy	MS
Office Systems/Technologies	AAS
Paralegal Studies/Science	AA, BA
Paramedicine	ASP
Performing Arts	BFA
Philosophy	BA
Physical Education	BS, MS
Physical Education (Teaching)	BS
Physics	BS
Physics (Teaching)	BS
Police Studies	AA, BS
Political Science	BA
Pre-Dental Hygiene	(Transfer Program)
Pre-Engineering	(Transfer Program)
Pre-Forestry	(Transfer Program)
Pre-Medical Sciences	(Transfer Program)
Pre-Optometry	(Transfer Program)
Pre-Pharmacy	(Transfer Program)
Pre-Physical Therapy	(Transfer Program)
Pre-Physician Assistant	(Transfer Program)
Pre-Veterinary Medicine	(Transfer Program)
Psychology	BS
Public Administration	MPA
Public Health	MPH
Public Relations	BA
Recreation and Park Administration	BS, MS
Safety, Security & Emergency Management	MS
School Counseling	MA in Ed
School Psychology	PsyS
Science for Engineering	AS
Secondary Education (20 Discipline Options)	MA in Ed
Social Work	BSW
Sociology	BA
Spanish	BA
Spanish (Teaching)	BA
Special Education (5 options)	BS, MA in Ed
Statistics	BS
Technical Agriculture	AS
Technology	AAS
Wildlife Management	BS

**Degree awarded by University of Kentucky*

MINORS

Eastern Kentucky University offers minors in a number of fields. Certain minors are restricted as teaching or nonteaching. Consult the index for the location of requirements for individual minors. The following minors are offered, some offering options or areas of specialization.

Advertising
Aerospace Studies
Agriculture

American Sign Language (ASL) Studies
Anthropology
Archaeology
Art
Assets Protection Management
Aviation Administration
Aviation Flight
Biology
Broadcast News
Broadcasting and Electronic Media
Business
Canadian Studies
Chemistry
Chemistry, Teaching
Child and Family Studies
Communication Studies
Community Health Education (Non-Teaching)
Community and Regional Planning
Computer Electronic Publishing
Computer Electronics Technology
Computer Information Systems
Computer Science
Construction Management
Correctional and Juvenile Justice Studies
Criminal Justice
Dance (Non-Teaching)
Dance Certification, Teaching
Design and Merchandising
Deviance/Criminology
Dispute Resolution
Earth Science, Teaching
Economics
Emergency Medical Care
English
English, Teaching
Environmental Health Science
Family and Consumer Sciences
Fire and Safety Engineering Technology
Foodservice Administration
French
Geography
Geology
Geotechniques
Gerontology
Health Care Administration
Health Information
History
Horticulture
Human Environmental Sciences
Humanities
Industrial Technology
Insurance
International Studies
Journalism
Managerial Communication
Mathematical Sciences
Mathematics
Mathematics, Teaching
Military Science
Music
Natural Resource Geography
Nutrition
Office Administration
Paralegal Studies
Philosophy
Physical Education (Non-Teaching)
Physics
Physics, Teaching
Police Studies
Political Science
Psychology

Public Administration
 Public Relations
 Quality Assurance Technology
 Real Estate
 Recreation and Park Administration (Non-Teaching)
 Religion
 School Health P-12 (Teaching)
 Social Inequalities
 Social Justice
 Social Welfare
 Sociology
 Soils
 Spanish
 Special Education
 Statistics
 Theatre Arts
 Traffic Safety (Non-Teaching)
 Visual Media
 Women's Studies

ENDORSEMENTS AND CERTIFICATES

The following special endorsements and certificates are offered.

1. Undergraduate

Accounting Certificate
 Advanced Emergency Medical Care Certificate
 Basic Emergency Medical Technician**
 Career and Technical Education*
 Certified Alcohol and Drug Counselor (CADC)
 Child Public Welfare Certification
 Coaching Endorsement
 Driver Education Endorsement
 English as a Second Language (Teaching) Endorsement
 Fire and Safety Engineering Technology Certificate
 French Conversation and Culture Certificate
 German Conversation and Culture Certificate
 Health Information Management, Post-Baccalaureate
 Certificate
 Instructional Computer Technology
 Japanese Conversation and Culture Certificate
 Medical Administrative Certificate
 Medical Coding Certificate**
 Middle Grade Education (5-9) Endorsement (one area)
 Paralegal Science Certificate (Post Baccalaureate)
 Public Child Welfare Certificate
 Real Estate Certificate
 Spanish Certificate
 Youth Work Certificate

**Based on recommendation from EKU, Certificate is awarded by the Education Professional Standards Board.*

***Certificate awarded by department and not Eastern Kentucky University.*

2. Graduate

Director of Pupil Personnel Services
 Director of Special Education
 Driver Education
 Gifted Education
 Instructional Leadership (School Principal, All Grades)
 Rank II
 Rank I
 School Counseling
 School Psychology
 School Superintendent
 Standard Certificate in School Counseling
 Supervisor of Instruction
 Vocational Principal
 Coordination/Supervision of Vocational Education

College Of Arts and Sciences

Dr. John Wade, Interim Dean

Roark 105

(859) 622-1405

Dr. Tom Otieno, Associate Dean

Memorial Science 184

(859) 622-1393

TBA, Assistant Dean

Roark 106

(859) 622-8140

www.cas.eku.edu

Departments within the College of Arts and Sciences offer programs leading to the following degrees: Master of Arts; Master of Fine Arts; Master of Science; Master of Music; Master of Public Administration; and Specialist in Psychology.

The Master of Arts is offered by the departments of English and Theatre, Government, and History. The Master of Fine Arts is offered by the department of English and Theatre. The Master of Science is offered by the departments of Biological Sciences; Computer Science; Chemistry; Earth Sciences; Mathematics and Statistics; and Psychology. The Master of Arts degree offered by Government is in Political Science. The Master of Science offered by Earth Sciences is in Geology; that offered by Computer Science is in Computer Science and Applied Computing; that offered by Mathematics and Statistics is in Mathematical Science; and those offered by Psychology are in Clinical Psychology and Industrial/Organizational Psychology. Clinical psychology students may elect to complete a program for "Providing Services to the Deaf/Hard-of-Hearing" in cooperation with the Department of Special Education. Additionally, the Department of Psychology offers the Specialist in Psychology degree in school psychology and a certification-only program in school psychology for students with related master's degrees. Students in the Master of Public Administration degree program offered by the Department of Government may select the general field of public administration or options in community development or community health administration.

The Master of Arts in Education with options in specific areas is offered in the College of Education with the cooperation of the appropriate departments in the College of Arts and Sciences. The program requirements for these may be found in the College of Education section of this *Catalog*.

Graduate Course Credit

All 700 level courses have 500 level undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart. Credit will not be awarded for both the 700 and 500 level of the same course.

Cross Listed Courses

Some courses are offered under different prefixes with the same course content. Students will not be awarded credit in any course for which they have previously received credit under a cross listed prefix.

Gulf Coast Research Laboratory Courses

EKU is affiliated with Gulf Coast Research Laboratory, Ocean Springs, Mississippi. This affiliation provides undergraduate and graduate students with the opportunity to take courses and conduct research in marine sciences at an established, well-equipped laboratory located on the Gulf of Mexico. Students electing to study at Gulf Coast Research Laboratory do not pay out-of-state tuition.

The Marine Science graduate level courses listed in Section Six of this *Catalog* are taught only at Gulf Coast Research Laboratory, Ocean Springs, Mississippi, during the summer. The laboratory furnishes the staff for course work and research. Applications for the program and additional information are available in the departments of Biological Sciences, Chemistry, and Earth Sciences and in the Division of Natural Areas.

DEPARTMENT OF ANTHROPOLOGY, SOCIOLOGY, AND SOCIAL WORK

Dr. Elizabeth Throop, Chair

www.anthropology.eku.edu

(859) 622-1644

The Department of Anthropology, Sociology, and Social Work offers graduate level courses in support of the Community Development Option of the Master of Public Administration Program offered by the Department of Government.

DEPARTMENT OF ART AND DESIGN

Mr. Herb Goodman, Chair
www.art.eku.edu
(859) 622-1629

The Master of Arts in Education degree and the Master of Arts Teaching degree with an option in art are offered in the College of Education with the cooperation of the Department of Art. The regulations for the degrees may be found in the College of Education section of this *Catalog*.

DEPARTMENT OF BIOLOGICAL SCIENCES

Dr. Michael Foster, Acting Chair
www.biology.eku.edu
(859) 622-1531

The Department of Biological Sciences provides opportunities for graduate studies leading to the Master of Science degree in Biology which may include an option in Applied Ecology. Under the general program, both thesis and non-thesis plans are available. The Applied Ecology Option requires a thesis. A planned program of study, based on individual needs is selected by each student in consultation with the student's graduate committee. Students engaged in thesis work may conduct research in such areas as aquatic biology and toxicology, animal behavior and ecology, plant systematics and ecology, wildlife and conservation biology, physiological ecology, structural biology, cellular and molecular biology and microbiology.

The Master of Arts in Education degree with an option in Biology is offered by the College of Education in cooperation with the Department of Biological Sciences. Requirements for the degree are found in the College of Education section of this *Catalog*.

The Department of Biological Sciences cooperates with other natural science departments in the College of Arts and Sciences and the College of Education in offering the Master of Arts in Education with an option in Biology. This option is primarily for non-specialized science teachers and is described in the College of Education section of this *Catalog*.

MASTER OF SCIENCE Biology

Admission — All applicants must meet the general requirements established by the Office of Graduate Education and Research for clear admission. Final acceptance of an applicant is determined by the Graduate Affairs Committee of the Department of Biological Sciences.

All applications to the Graduate School must include: (1) three letters of recommendation, (2) scores on the verbal, quantitative, and analytical portions of the Graduate Record Examination, (3) a statement by the applicant defining career interests and reasons for pursuing graduate studies, and (4) official copies of transcripts. All applicants must meet the general requirements established by the Graduate School for clear admission. In addition, applicants taking the Graduate Record Examination after October 1, 2002, must have a minimum score of 350 on both the Verbal and Quantitative portions of the exam, and a minimum score of 2.0 on the GRE

Analytical Writing Measure. Applicants who took the GRE prior to October 1, 2002, must have a minimum score of 1000 (Verbal, Quantitative, and Analytical combined.) Applicants should have an undergraduate major in an area of the biological sciences, including courses in general biology (equivalent to general botany and general zoology), genetics, physiology, and a field-oriented biology course. Supporting courses in chemistry, physics, and mathematics are recommended. Any deficiencies in a successful applicant's undergraduate training will be specified by the Department's Graduate Affairs Committee at the time of admission, and must be satisfied early in the graduate program. All deficiencies must be completed prior to achieving candidacy for the Master of Science degree.

Core Requirements — Graduate students must complete a minimum of 30-36 graduate semester hours for the Master of Science degree, depending on whether a thesis or non-thesis program is followed. At least 50 percent of the course work hours (excluding thesis hours) must be at the 800 level. The planned program of study must consist of: (1) at least 21-27 semester hours of biology including Biostatistics (BIO 710; 3 hours) or Applied Statistical Inference (STA 700; 3 hours), Scientific Literature and Writing in Biology (BIO 801; 2 hours), and Graduate Seminar (BIO 890; 1 hour), and (2) nine semester hours of additional electives in biology or other courses in the natural and mathematical sciences. Finally, all students must demonstrate their knowledge of biology by successfully passing at least three written comprehensive examinations and by passing an oral examination.

A grade point average of 3.0 must be maintained; a maximum of six semester hours of course work with a grade of "C" may be applied toward degree requirements.

Thesis — Six semester hours of Thesis Research (BIO 891) are required in the 30-hour thesis program. A thesis based on the student's research must be submitted. Eighteen hours of electives will complete the requirements for the degree. The Applied Ecology Option will require completion of the thesis. Credit will not be given for BIO 880 (Current Review of Biology) or BIO 881 (Independent Study) in this program.

Non-thesis — Three semester hours of BIO 880 (Current Review of Biology) are required in the 36-hour non-thesis program. Twenty-seven hours of electives will complete the requirements for the degree. The Applied Ecology Option cannot be completed under this plan. Credit will not be given for BIO 891 (Thesis Research) in this program.

Biology Program

Biology Core	6 hours
BIO 710 or STA 700, BIO 801, 890.	
Electives	18 hours
Thesis	6 hours
BIO 891 (credit will not be given for BIO 880 or BIO 881 in this option).	
Non-thesis	12 hours
BIO 880 (credit will not be given for	
BIO 891 in this option)	
Nine additional elective hours of graduate	
course work	
9 hours	
Total Curriculum Requirements	30-36 hours*

*Program must consist of at least 21 hours of biology

Applied Ecology Option

Biology Core	6 hours
BIO 710 or STA 700, BIO 801, 890.	
Thesis	6 hours
BIO 891.	
Applied Ecology	11 hours
BIO 848, 849, 850; One course from BIO 714, 718, 721, 722, 724, 725, 742, 753, 754, 756, 757, 758, 761, 802, 806, 816, 845, 846, GEO 755, 756.	
Electives	7 hours
Total Curriculum Requirements	30 hours

Bioinformatics Option

Biology Core	6 hours
BIO 710 or STA 700, BIO 801, 890.	
Bioinformatics*	27 hours
BIO 711, CSC 730, 740 or 745, 815, 831, 834.	
At the University of Louisville: CECS 660.	
6 hours of applied research at the University of Louisville or the University of Kentucky.	
Total Curriculum Requirements	33 hours

*Courses equivalent to BIO 121, 315, 348, CSC 190, 191, 195 may be required as prerequisites.

DEPARTMENT OF CHEMISTRY

Dr. Alan Schick, Chair
Eric Dueno, Acting Graduate Coordinator
www.chemistry.eku.edu
 (859) 622-1456

The Department of Chemistry offers the Master of Science degree in Chemistry. This program provides each candidate with depth of understanding in several branches of chemistry and a background of theory in at least one area of chemistry sufficient to permit independent study and creative thinking. The research phase of the program provides each candidate with the opportunity to integrate the use of modern chemical literature with fundamental laboratory techniques and thereby to arrive at the threshold of independent research.

The Department of Chemistry cooperates with the other natural science departments and the College of Education in offering the degree of Master of Arts in Education with an option in Physical Science. The program is primarily for non-specialized science teachers and is described more thoroughly in the College of Education section of this *Catalog*.

**MASTER OF SCIENCE
Chemistry**

Admission — Applicants should provide evidence of ability to pursue graduate study, and meet the general requirements for admission to the Graduate School.

Prerequisites — The following requirements must be completed prior to clear admission to graduate study: one year each of introductory chemistry, organic chemistry including laboratory and physical chemistry; one semester of analytical chemistry. Other

courses normally included in the Bachelor of Science curriculum as described by the American Chemical Society may be assigned as required courses beyond the minimum 30 hours if it is ascertained that a deficiency exists. Enrollment in graduate courses will be restricted until these prerequisites have been completed.

Thesis Option — A thesis based upon the original research in the area of the student's research emphasis must be submitted. A final comprehensive oral examination in defense of the thesis and related course work is required.

Non-thesis Option — A detailed written report on a current topic in chemistry is required. A final comprehensive oral examination on the report and related course work is required.

Chemistry Program

A minimum of 30 semester hours of graduate credit is required. The program shall include the following:

Chemistry Core	15 hours
CHE 760, 772, 822, 850, 880, 890.	
Electives	9 hours
800-level Chemistry, including selected topics courses	6 hours
Any graduate level course in the sciences or mathematics	3 hours
Thesis	6 hours
CHE 895	6 hours
Non-thesis Option	6 hours
CHE 892	3 hours
Three additional hours of graduate course work	3 hours
Total Curriculum Requirements	30 hours

**DEPARTMENT OF COMPUTER
SCIENCE**

Dr. Ka Wing-Wong, Acting Chair
www.cs.eku.edu
 (859) 622-2398

The Department of Computer Science offers the Master of Science degree in Applied Computing with options in Software Engineering, Business Computing, Bioinformatics, Industrial Computing, and Statistical Computing.

**MASTER OF SCIENCE
Applied Computing^a****Program Objectives**

The objectives of the Master of Science in Applied Computing program are:

1. To provide an advanced degree accessible to computing professionals (offered evenings and weekends).
2. To improve the technical skills of computing professionals.
3. To improve the business skills of computing professionals - especially those in contracting positions.
4. To teach the analysis and design skills needed to make wise technical choices.

COLLEGE OF ARTS AND SCIENCES

5. To provide in-depth studies in specific areas of computing.
6. To provide capable computing consultants.
7. To provide teachers for community colleges and technical schools.
8. To teach legal, social, and ethical issues related to computer professionals. The legal issues include obligations and liabilities.

Admission — To be eligible for a clear admission to graduate standing applicants must have (1) a baccalaureate degree from an accredited institution with minimum grade point average (GPA) of 2.75 overall, or 3.0 on the last 60 semester hours of the baccalaureate program, and (2) satisfactory scores on GRE or GMAT. The minimum satisfactory scores are: 1000 points of the sum of Verbal Quantitative with 600 points of Quantitative on GRE, or 500 points of Overall with 27 points of Quantitative on GMAT.

Applied Computing Program

Core Requirements 12 hours
CSC 730, 815, 831, 834.

Option in Software Engineering 12 hours
CSC 745, 746, 825, 835.

Electives 6 hours

Total Curriculum Requirements 30 hours

Option in Business Computing 12 hours
CIS 850, 3 courses selected from ACC 820, ACC 850, CIS 860, FIN 824, FIN 850, CCT 850 and QMB 850.

Electives 6 hours

Total Curriculum Requirements 30 hours

Option in Industrial Computing 12 hours
INT 730, 801, 804, 805.

Electives 6 hours

Total Curriculum Requirements 30 hours

Option in Bioinformatics* 24 hours
CSC 745, BIO 710 or STA 700, BIO 711, 801, 890, CECS 660 (Introduction to Bioinformatics at U of L), plus nine (9) credit hours at 800 level Bioinformatics research at U of L.

Total Curriculum Requirements 36 hours

*Courses equivalent to BIO 121, 315, 348, CSC 190, 191, 195 may be required as prerequisites.

Option in Statistical Computing 12 hours
STA 700, 701 or 785, 775, 880.

Electives 6 hours

Total Curriculum Requirements 30 hours

ELECTIVES

Select 6 hours of electives from the following: ACC 820, ACC 850, BIO 710, 711, 801, 890, CCT 850, CIS 850, 870, CSC 735, 740, 745, 746, 750, 812, 825, 833, 835, 842, 860, 890, 895, ECO 854, INT 706, 730, 801, 804, 805, FIN 824, 850, MAT 706, 755, 806, 871, 872, MGT 850, QMB 850, STA 700, 701, 720, 721, 775, 785, 880, TEC 830, 867. Credit in a student's declared option does not apply toward the elective requirements. At least half of the elective hours must be from 800 level courses. Also at least half of the elective hours must be CSC courses.

Comprehensive Examination — Each candidate, near the end of the Master's program, must pass a two-hour written or oral examination designed to test the student's general knowledge of his/her program of study. The student has the option of selecting the written or oral examination.

DEPARTMENT OF EARTH SCIENCES

TBA, Chair
www.earthsciences.eku.edu
(859) 622-1273

The Department of Earth Sciences and the Department of Geography jointly offer the Master of Science degree in Geosciences. The M.S. degree program is designed to provide students with a broad background in geology and geography (geotechniques), plus more in-depth knowledge of at least one sub-discipline of geoscience through concentrated thesis research or literature review. Students may be advised by graduate faculty from either the Department of Earth Sciences or the Department of Geography. The program emphasizes solution of geoscience problems through combined library research, field studies and laboratory applications.

The Department of Earth Sciences cooperates with the other natural science departments and the College of Education in offering the Master of Arts in Education with an option in Earth Science. Regulations for this degree can be found in the College of Education section of this *Catalog*.

MASTER OF SCIENCE Geosciences

Admission — The Department of Earth Sciences and the Department of Geography adhere to the requirements for general admission to graduate degree study as described in the General Academic Information Section of this *Catalog*. Minimum GRE score: for test taken before October 1, 2002: combined verbal and, quantitative, and analytical total score of 1000; for test taken after October 1, 2002: combined verbal and quantitative total score of 670. Prospective graduate assistants should forward three letters of recommendation directly to the Department of Earth Sciences.

Prerequisites — Applicants who have an adequate undergraduate background in geosciences (earth materials, earth processes, and geotechniques) qualify for clear admission into the M.S. degree program. Applicants are considered to have an adequate background in earth materials if they have successfully completed an upper-division undergraduate class in petrology; otherwise, the student will be required to enroll in GLY 703 in addition to program requirements. Applicants are considered to have an adequate background in earth processes if they have successfully completed an upper-division undergraduate class in one of several earth processes (e.g., stratigraphy and sedimentation, structural geology and tectonics, geomorphology, hydrology, biogeography, or meteorology and climatology); otherwise, the student will be required to enroll in GLY 704 or an appropriate upper-division undergraduate class in addition to program requirements. Applicants are considered to have an adequate background in geotechniques if they have successfully completed an upper-division undergraduate class in Geographic Information Systems (GIS); otherwise, the student will be required to enroll in GEO 353

in addition to program requirements. They may also be required to remediate designated deficiencies in undergraduate support areas: at least one semester of introductory bioscience, one semester of introductory chemistry or geochemistry, one semester of trigonometry or higher, and one semester of “conceptual physics” or higher. It is expected that the applicant will have had at least some intensive field experience, which can be demonstrated by either successful completion of 6 credit hours of undergraduate field experience (e.g., Field Methods, Geology Field Camp) or appropriate work experience. Students that lack this background will be required to enroll in at least one 3 credit-hour graduate-level field course approved by the Graduate Program Committee as part of their program, *plus* one 3 credit-hour undergraduate-level field methods course in addition to program requirements. If the student lacks 6 credit hours of intensive field class, but has had 3 credit hours of a field experience course equivalent to GLY 351, they will be expected to enroll in at least one 3 credit-hour graduate-level field course as part of their program.

Thesis and Non-Thesis Options — Students in the M.S. degree program must either complete a research thesis or a comprehensive literature review of a current problem in geosciences. The student chooses the topic of the thesis or of the literature review in consultation with his/her permanent committee.

Comprehensive Examination — An oral examination in defense of the thesis or of the literature review, together with related course work, is required.

Geosciences Program

Required Core	9 hours
GLY 802, 803, 804 and GEO 753 or 756 or equivalent.	
Electives	15 hours
Graduate-level GLY and GEO courses selected with prior approval of student's advisor; may include relevant offerings of other departments.	
Thesis	6 hours
GLY 899 (credit will not be given for GLY 890 in this option)	
Non Thesis	12 hours
GLY 890 (credit will not be given for GLY 899 in this option)	
Nine additional elective hours of graduate course work	
Total Curriculum Requirements	
30-36 hours	

DEPARTMENT OF ECONOMICS

Dr. Fred Ruppel, Acting Chair
www.economics.eku.edu
 (859) 622-1769

The Department of Economics provides graduate level courses as support for graduate programs in related disciplines.

DEPARTMENT OF ENGLISH AND THEATRE

Dr. James Keller, Chair
Dr. Salome Nnoromele, Program Coordinator
Dr. James R. Moreton, Theatre Director
www.english.eku.edu
 (859) 622-5861

MASTER OF ARTS and MASTER OF FINE ARTS English

The Department of English offers a 30 hour program of study leading to the Master of Arts degree in English.

The Master of Arts in Education degree with an option in English is offered in the College of Education with the cooperation of the Department of English. The Master of Arts in Teaching degree with an option in English is also offered in the College of Education. The regulations for these degrees may be found in the College of Education section of this *Catalog*.

The Department of English offers a 48 hour program of study leading to the Master of Fine Arts in Creative Writing (MFA-CW) degree.

MASTER OF ARTS English

The graduate program in English is designed to train students in various areas of the discipline and provide them with both breadth and depth appropriate to the advanced level. Areas of the discipline are categorized below.

Admission — Applicants must meet the general requirements of the Graduate School. They must have achieved satisfactory scores on the Graduate Record Examination with at least a 400 on the verbal section and a 3.0 or better on the analytic section. For students who took the GRE before October 2002, a composite score of 1200 and a verbal score of 400 are required. They also should have completed at least an undergraduate minor in English and/or be prepared to do additional hours to remove any deficiency in their undergraduate preparations. Ordinarily a 3.0 standing must have been achieved in upper division English courses.

Thesis — The thesis is optional in this program. Students electing the thesis option will receive a maximum of six hours for ENG 898 and 899. A student wishing to write a thesis must prepare a prospectus and have it approved by the thesis committee and relevant faculty section before registering for thesis hours. The thesis must be prepared in conformity with the regulations approved by the Graduate Council and the Department of English. Detailed information concerning the preparation and submission of the thesis may be obtained in the office of the program coordinator.

Program Planning — Graduate students in English may: prepare for careers of teaching on the college and pre-college levels; engage in literary research and composition on advanced levels; prepare for further advanced study and degrees; or pursue other pre-professional goals.

Students must complete the 9 hours of the core curriculum as outlined below. In addition students must choose one of the five areas of specialization listed by earning 9 to 15 hours in the selected area; both ENG 809 and 812 may be applied to either the core requirement or the Rhetorical Studies area. However, neither can by itself be simultaneously applied to both. Additionally, all students must complete one course from either the British or American Literature categories and one course from the Language Studies/ESL category. Conferences between students and the program coordinator will ensure that elective hours are used to meet the program needs of the individual. Normally, students will not be permitted to count toward degree requirements more than 15 hours in any one category. Also, at least half the course work, excluding thesis, practicum, or internship credit, must be in courses open only to graduate students, i.e., 12 credit hours in graduate-only courses in the thesis option and 15 credit hours in graduate-only courses in the non-thesis option.

Core Courses 9 hours

ENG 808; 809 or 812; and 833.

Areas of Specialization 9-15 hours

British Literature

ENG 730, 735, 750, 825, 870, 873, 876, 878, 880.

American Literature

ENG 730, 735, 750, 850, 853, 854.

Rhetorical Studies

ENG 700, 800, 805, 806, 809, 812, 827.

Language Studies/English as a Second Language

ENG 710, 715, 720, 807, 810, 825, EMS 775.

Creative Writing

ENG 700, 702, 703, 804.

Electives in English 6-12 hours

Total Requirements 30 hours

NOTE: ENG 839, 890, 898, and 899 may be counted as determined by specific subject matter and with the approval of the program coordinator, in any of the above categories.

Comprehensive Examinations — All students are required to take a written comprehensive examination. Students seeking to complete a thesis are required to give an oral defense of their thesis and to be examined orally on related course work. Comprehensive and oral examinations will be scheduled approximately one month before the end of the student's final enrollment period in graduate work for the degree. Non-thesis students are required to complete a mentored scholarly paper.

MASTER OF FINE ARTS Creative Writing

This graduate program in English is designed to train students in various areas of the creative writing discipline and provide them with both depth and breadth appropriate to the advanced level. As this degree is considered terminal in the field of creative writing, students are trained to be able to teach at the college level as well as to develop their own writing talent.

Admission — Applicants are required to submit a portfolio of work in their desired concentration (poetry, fiction, or creative nonfiction) to the Department's MFA committee and have the work approved. The writing sample will consist of 15 pages of poetry or 20 pages of prose. The portfolio will also include a two-page statement of purpose that addresses the applicant's reasons for

applying. Applicants should also have completed an undergraduate bachelor's degree, with at least a minor in English and/or be prepared to complete additional hours to remove any deficiency in their undergraduate preparations. Ordinarily, a 3.0 standing must have been achieved in upper-division English courses. Applicants must meet the general requirements of the Graduate School, and achieve satisfactory scores on the Graduate Record Examination. The committee reserves the right to waive certain departmental requirements in the event that a writing sample is exceptional.

Program Planning — Graduate students in the MFA-CW program may prepare for careers of teaching on the college and pre-college levels; engage in creative writing at a PhD level; or pursue other pre-professional or personal goals.

Students must complete 48 hours in the program plus a comprehensive presentation. Each semester of work is 12 hours and consists of three parts: a ten-day residency at Eastern Kentucky University, a 14-week online course, and a 14-week writing session under the direction of a mentor.

Mentoring sessions during the residency will allow mentors and students to select each other. Once a mentor-student relationship has been established, the pair will draw up a fourteen-week course of study that allows the student to develop his/her writing skills. Each fourteen-week period will consist of four units of exchange of the student's work and the mentor's comments.

Courses 48 hours

ENW 800 3 hours
(repeatable up to 12 hours with different topics)

ENW 810 3 hours
(repeatable up to 12 hours with different topics)

ENW 820 6 hours
(repeatable up to 24 hours with different topics)

DEPARTMENT OF FOREIGN LANGUAGES AND HUMANITIES

Ezra Engling, Chair
www.foreignlanguages.eku.edu
(859) 622-2996

The Department of Foreign Languages and Humanities cooperates with the College of Education in offering the Master of Arts in Teaching with the option in Spanish. The program is described in the College of Education section of this *Catalog*.

DEPARTMENT OF GEOGRAPHY

Dr. Richard Sambrook, Acting Chair
www.geography.eku.edu
(859) 622-1418

The Department of Geography and the Department of Earth Sciences jointly offer the Master of Science degree in Geosciences. The M.S. degree program is designed to provide students with a broad background in geology and geography (geotechniques), plus more in-depth knowledge of at least one sub-discipline of geoscience through concentrated thesis research or literature review.

Students may be advised by graduate faculty from either the Department of Geography or the Department of Earth Sciences. The program emphasizes solution of geoscience problems through combined library research, field studies and laboratory applications.

The Department of Geography provides graduate level courses as support for other related disciplines including the Community Development Option in the Master of Public Administration Program offered by the Department of Government. The Master of Arts in Education degree with an option in geography is offered in the College of Education with the cooperation of the Department of Geography. The regulations for this degree may be found in the College of Education section of this *Catalog*.

DEPARTMENT OF GOVERNMENT

Dr. Sara Zeigler, Chair
Dr. Kendra Stewart, Program Coordinator
www.government.eku.edu
 (859) 622-5931

The Department of Government offers work leading toward the degrees of Master of Arts and Master of Public Administration.

The Master of Arts in Education degree with an option in Political Science is offered in the College of Education with the cooperation of the Department of Government. The regulations for the degree may be found in the College of Education section of this *Catalog*.

MASTER OF PUBLIC ADMINISTRATION Public Administration

First of its kind in Kentucky when created in 1968, the Master of Public Administration program prepares qualified individuals, both entry level and mid career, for advanced professional positions in the administration of public and non-profit programs. The program also may be appropriate for individuals in the private sector who have responsibility for public sector contracts, regulatory compliance, or other liaison and oversight activities.

Special emphasis is placed on regional and local government. In addition to a general option, specialized programs of study are offered in community development administration, community health administration, and environmental health administration.

The MPA program is accredited by the National Association of Schools of Public Affairs and Administration.

For admission to the program, students must meet both the general requirements of the Graduate School and the requirements of the MPA program. Students in the MPA program come from a variety of undergraduate degree programs, and admission decisions are based on an overall assessment of a student's application and ability to meet admission criteria of the program.

Admission — The following criteria are set for an admission: (1) students must meet the minimum standards for cumulative undergraduate grade point average and general portion of the Graduate Record Examination as set by the Office of Graduate Education and Research; (2) letters of reference from two persons qualified to evaluate potential for successful performance in a program of graduate study in public administration must be

provided to the department; (3) a "Cumulative Value Index," score of at least 50.0. The following formula is employed in calculating the score on the "Cumulative Value Index." (Undergraduate Grade Point Average times 15) plus (the sum of the percentile scores on the verbal and quantitative portions of the GRE General Exam times .20) equals the Cumulative Value Index.

Students who meet the Graduate School minimums but do not have a Cumulative Value Index score of at least 50.0 may be granted a probationary admission. The minimum condition for transfer from probationary admission status to clear admission status is the successful completion of at least nine hours of graduate course work with a grade point average of at least 3.0 (on a 4.0 scale) and with no more than one grade, regardless of the number of course credit hours, of "C" or lower. Students must be removed from probationary admission prior to registering in any course work beyond an initial 12 hours. At least six hours of the first 12 hours must be in the common MPA core.

Program — The MPA Degree program requires satisfactory completion of a minimum of 39 credit hours. All students take a common program core of 21 credit hours. The program core consists of courses in:

Administration, Ethics and Public Policy
 Administrative Law
 Research Methods
 Public Sector Organizations and Management
 Public Human Resources Management
 Public Finance Administration
 Policy Analysis and Program Evaluation.

In addition to these program core courses all students will enroll in and execute a "Field Study in Public Administration" for six credit hours.

While observing the above requirements, students may choose to complete the general degree program or may choose from three options within the program. Curriculum requirements for the general program and options are as follows:

General Degree Program

MPA Core 21 hours
 POL 765, 800, 801, 875, 876, 877, and 879.
Field Study in Public Administration 6 hours
 POL 871.
Electives 12 hours
 Must have approval of advisor to count for degree.
Total Requirements 39 hours

Community Health Administration Option

MPA Core 21 hours
 POL 765, 800, 801, 875, 876, 877, and 879.
Community Health Core 12 hours
 All students in this option will take HEA 898 and with their advisor's prior approval select nine hours from the following:
 HEA 816, 855 798, 875, 880.
Field Study in Public Administration 6 hours
 POL 871.
Total Requirements 39 hours

Community Development Option

MPA Core 21 hours
POL 765, 800, 801, 875, 876, 877, and 879.

Community Development Core 12 hours
All students in this option will take POL 845 and with their advisor's prior approval select nine hours from the following: POL 733, 835, GEO 725, GEO 701, SOC 865, ECO 780, 790, LAS 735.

Field Study in Public Administration 6 hours
POL 871.

Total Requirements 39 hours

Environmental Health Option

MPA Core 12 hours
POL 765, 800, 801, 875, 876, 877, and 879.

Environmental Health Core 12 hours
All students in this option will take EHS 850, and with their advisor's prior approval select nine hours from the following: EHS 825, EHS 845, EHS 855, EHS 870, EHS 880.

Field Study in Public Administration 6 hours
Total Requirements 39 hours

Program Plan — During the first term, graduate students must meet with their advisor to develop a planned program. Students for whom program plans have not been appropriately filed will not be eligible for a second registration.

Comprehensive Examinations — Comprehensive oral examinations are held after application for a degree has been filed and evidence exists indicating that a student should complete all degree requirements including the supervised field study.

DEPARTMENT OF HISTORY

Dr. David Coleman, Chair
Dr. David Blaylock, Graduate Coordinator
www.history.eku.edu
(859) 622-1287

The Department of History offers the Master of Arts in history through both thesis and non-thesis program plans. Both program plans provide courses in American and non-American history. The College of Education offers the Master of Arts in Education degree in secondary education with an option in history, and regulations for that degree may be found in the College of Education section of this *Catalog*.

Special Program Requirements***MASTER OF ARTS
History**

Admission — Admission is determined by the Department of History in cooperation with the Office of Graduate Education and Research. The following is required of each candidate:

Satisfactory performance on the Graduate Record Examination before or during the first summer or regular academic semester the student is enrolled.

An overall undergraduate grade point average of 2.5 or of 2.75 (on a 4.0 scale) on the last 60 semester hours of the baccalaureate program.

Completion of at least a satisfactory undergraduate minor in history or the equivalent.

Applicants must arrange for submission of three letters of recommendation directly to the department.

*Students must also meet the general requirements of the Graduate School.

Thesis Plan

Foundation Course 3 hours
HIS 800 Historiography and Criticism.

American History 9 hours*
Choose from HIS 716, 860, and/or , if topic is appropriate, 849, 864, or 865.

European History 6 hours*
Choose from HIS 861, and/or, if topic is appropriate, 849, 864, or 865.

Asian, African or Latin American History 3 hours*
Choose from HIS 862, 863, or, if topic is appropriate, 849, 864, or 865.

Thesis 6 hours
HIS 899.

History Electives 3 hours
(Choose from graduate courses in U.S., European, Asia/Africa or Latin American history.)

Total Requirements 30 hours

*NOTE that the department requires that at least one of the courses used to satisfy the eighteen credit hours represented by these three requirements cover in a substantial way a period before the year 1800.

Thesis — Each candidate must submit a thesis which demonstrates an appropriate level of skill in historical research and writing. Should the thesis topic selected require additional research skills (i.e. foreign language, statistics, or other), the candidate may be required by the graduate committee to acquire, through additional course work, the necessary skills. The student must complete six hours of thesis credit (HIS 899) and may, if extra time is needed to complete the project, register for six additional hours of thesis credit, although this extra six hours does not count as part of the thirty total credit hours needed for completion of the History M.A. program. The thesis shall be submitted to the student's major professor at least 30 days in advance of graduation. Acceptance of the thesis shall be decided by a special reading committee. This committee shall be composed of the major professor and two other faculty members recommended by the chair of the major department and appointed by the Dean of Graduate Education and Research. The committee shall complete its review of the thesis at least one week prior to the final oral examination. Two unbound copies of the accepted thesis, signed by the committee, must be deposited with the Dean of the Graduate Education and Research at least two weeks before summer commencement and three weeks prior to the end of either the fall or spring semesters.

Language — Though the department no longer maintains a language requirement, it strongly recommends that students who

plan to seek a doctoral degree should acquire foreign language proficiency while completing the masters degree.

Comprehensive Examination — The program will culminate in a written comprehensive examination designed to test the student's general knowledge of history and an oral defense of the thesis.

Non-Thesis Plan

Foundation Course 3 hours

HIS 800 Historiography and Criticism.

American History 9 hours*

Choose from HIS 716, 860, and/or, if topic is appropriate, 849, 864, or 865.

European History 6 hours*

Choose from HIS 861, and/or, if topic is appropriate, 849, 864, or 865.

Asian, African or Latin American History 6 hours*

Choose from HIS 862, 863, and/or, if topic is appropriate, 849, 864, or 865.

History Electives 6 hours

Choose from graduate courses in U.S., European or Asia/Africa or Latin American history.

Total Requirements 30 hours

*NOTE that the department requires at least two of the courses used to satisfy the twenty-one credit hours represented by these three requirements cover in a substantial way a period before the year 1800.

The department strongly recommends that students who plan to seek a doctoral degree not choose the non-thesis plan. At least one-half of the course work leading to the degree must be in 800-level courses.

Comprehensive Examination — Upon completion of course work, the student's knowledge of history will be tested by a comprehensive written examination. The program will culminate in an oral examination designed to test the student's mastery of graduate course work.

DEPARTMENT OF MATHEMATICS AND STATISTICS

Dr. Dirk Schlingmann, Chair
www.math.eku.edu
 (859) 622-5942

The Department of Mathematics and Statistics offers the Master of Science degree in the Mathematical Sciences. The student may elect courses from mathematics or statistics to fulfill the degree requirements.

The Master of Arts in Education degree options in Mathematics is offered in the College of Education with the cooperation of the Department of Mathematics and Statistics. The requirements for the degree may be found in the College of Education section of this *Catalog*.

MASTER OF SCIENCE Mathematical Sciences

Program Objectives

The objectives of the graduate Mathematical Sciences program are:

1. To provide a graduate program in the mathematical sciences leading to a degree which prepares students for careers in government or industry; for teaching at the college, junior college, or pre-college level; or for graduate study towards the Ph.D. degree in a mathematically-related field.
2. To include in this program courses in the areas of mathematics and statistics and courses demonstrating the relationships among these fields.
3. To guide students in tailoring a program of study ideally suited to their undergraduate background, aptitude, and career interests.

Admission — Clear admission to graduate standing will be granted to those students who have acceptable scores on the GRE, an acceptable undergraduate grade point average, and whose preparation contains the prerequisites for the core courses in mathematics. (For example, nine hours of calculus and courses in linear algebra, modern algebra and real analysis would be sufficient.) Applicants who do not have this preparation may be granted admission without required prerequisites and given the undergraduate courses needed to strengthen their backgrounds. Students must also meet the general requirements of The Graduate School.

Mathematical Sciences Program

Curriculum for the General Program

Core Requirements 15 hours

MAT 809, 810, 815, 850, and choose one of MAT 755, 760, STA 720, STA 785.

Electives 15 hours**

Total Curriculum Requirements 30 hours

Option in Mathematics

Core Requirements 15 hours

MAT 809, 810, 815, 850, and choose one of MAT 755, 760, STA 720, STA 785.

Option Requirements 6-12 hours

Complete at least 21 hours of courses with a MAT prefix including MAT 760, 809, 810, 815, and 750 or 850.

Only 3 hours of MAT 880 may count toward fulfilling the option requirements.

Electives 3-9 hours**

Total Curriculum Requirements 30 hours

Option in Computer Science

Core Requirements 15 hours

MAT 809, 810, 815, 850, and choose one of MAT 755, 760, STA 720, STA 785.

Option Requirements	9-12 hours
CSC 831 and 833 and 6 hours from CSC 745, 746, 834, 842, 880.	
Only 3 hours of CSC 880 may count toward fulfilling the option requirements.	
Electives**	3-6 hours
Total Curriculum Requirements	30 hours

Option in Statistics

Core Requirements	15 hours
MAT 809, 810, 815, 850, and choose one of MAT 755, 760, STA 720, STA 785.	
Option Requirements	9-12 hours
STA 720 and 721 and 6 hours from STA 701, 775, 785, 880.	
Only 3 hours of STA 880 may count toward fulfilling the option requirement.	
Electives**	3-6 hours
Total Curriculum Requirements	30 hours

**No student can apply more than 12 hours of CSC or 12 hours of STA credits toward the M.S. degree. Each student must apply 15 hours of MAT credits, at least 12 of which are from 800 level courses, toward the M.S. degree. Electives for the general program and for the options in mathematics and statistics may include thesis, MAT 899, 3 - 6 hours. Those students who elect to submit a thesis for partial fulfillment of the requirements of the Master of Science in Mathematical Sciences must prepare it according to the regulations of the Office of Graduate Education and Research and the Department of Mathematics and Statistics.

Comprehensive Examination — Each candidate, near the end of the Master's program, must pass a written examination covering the various components of the candidate's program.

DEPARTMENT OF MUSIC

Mr. Rob R. James, Chair
Dr. Karin Sehmman, Coordinator
www.music.eku.edu
(859) 622-3266

The Department of Music offers the Master of Music degree with options in Performance, Theory/Composition, Choral Conducting, Instrumental Conducting, and General Music.

Music MASTER OF MUSIC—All Options

Admission — Applicants for admission to the Master of Music program must:

1. Meet all admission requirements of the Graduate School;
2. Hold a bachelor's degree in music or certification in music from an accredited institution;
3. Have a 2.7 overall undergraduate GPA;
4. Submit 3 letters of recommendation;
5. Must demonstrate competent applied music skills through a performance audition for either applied study or for admission to music ensembles.

Admission Requirements for Individual Options

Performance Option

Candidates must audition before a committee of music faculty (taped auditions may be allowed); and must possess an undergraduate degree in music from an accredited institution.

Note: Voice candidates in their audition must include works in French, Italian, and German and must have either a demonstrated competency or at least two semesters of undergraduate course work in any one language—French, Italian, or German.

Choral Conducting Option

Candidates must conduct before a committee of music faculty (videotaped auditions are allowed); and must possess either an undergraduate degree in music from an accredited institution or equivalent course work.

Note: Before being admitted to Candidacy, students must earn an "A" in Advanced Choral Conducting.

Theory Composition Option

Candidates must submit examples of compositions and/or analytical papers for review by music faculty; and must possess either an undergraduate degree in music theory/composition from an accredited institution or course work equivalent to Eastern Kentucky University's undergraduate theory/composition requirements.

Instrumental Conducting Option

Candidates must conduct before a committee of music faculty (videotaped auditions may be allowed); and must possess either an undergraduate degree in music from an accredited institution or equivalent course work.

Note: Before being admitted to candidacy, students must earn an "A" in Instrumental Conducting.

General Music Option

Candidates must either have passed the Praxis II specialty area exam in music or must submit either undergraduate papers in music or an undergraduate music portfolio. Candidates must possess either an undergraduate degree in music from an accredited institution or equivalent course work.

Thesis — The thesis is optional in this program.

Comprehensive Examination — The program will be culminated by a written or oral comprehensive examination testing the candidate's general knowledge of music.

Program — The general format of the program appears below:

Core Courses	12 hours
MUS 755 or 756 (Music Literature)*	3 hours
MUS 872 (Music History)	3 hours
MUS 884 or 887 (Music Theory)	3 hours
MUS 896, 897, or 899 (Project, Recital, or Thesis) .	3 hours
Options	10-11 hours
Options are available in performance, theory/composition, choral conducting, instrumental conducting and general music.	
Electives	9-10 hours
Total Requirements	32 hours

*Students who have completed MUS 555 or 556 or an equivalent course as part of their undergraduate degree program should substitute three additional hours of MUS 872.

Option in Performance

Core Courses	12 hours
Option	10 hours
Applied Music Courses	
Electives	10 hours
Total Requirements	32 hours

Option in Theory/Composition

Core Courses	12 hours
Option	10 hours
MUS 886 (Counterpoint)	3 hours
MUS 888 (Analytical Techniques II)	3 hours
MUS 889 (Advanced Composition)	2 hours
MUS 788 (Pedagogy of Theory)	2 hours
Electives	10 hours
Total Requirements	32 hours

Option in Choral Conducting

Core Courses	12 hours
Choral Conducting option must elect MUS 756.	
Option	11 hours
MUS 765 (Advanced Choral Conducting)	2 hours
MUS 880 (Advanced Choral Procedures)	2 hours
MUS 883 (Seminar in Choral /Instrumental	
Conducting)	2 hours
MUS 825 or 826 (Choir or University Singers)	1 hour
MUS 898 (Research in Music and Music	
Education)	3 hours
Applied Music	1 hour
Electives	9 hours
Total Requirements	32 hours

Option in Instrumental Conducting

Core Courses	12 hours
Instrumental Conducting option must elect MUS 755	
and MUS 896.	
Option	11 hours
MUS 764 (Advanced Instrumental Conducting)	2 hours
MUS 883 (Seminar in Choral/Instrumental	
Conducting)	2 hours
MUS 751 (Performance Literature) or	
MUS 754 (Band Lit.)	2 hours
MUS 835 or 855 (Orchestra or Band)	1 hour
Applied Music	1 hour
MUS 898 (Research in Music and Music	
Education)	3 hours
Electives	9 hours
Total Requirements	32 hours

Option in General Music

Core Courses	12 hours
Option	10 hours
MUS 878 (Foundations of Music)	3 hours
MUS 885 (Psychology of Music)	3 hours
MUS 712 or 750 (Piano or Teaching Tech)	1 hour
MUS 898 (Research in Music and Music	
Education)	3 hours
Electives	10 hours
Total Requirements	32 hours

DEPARTMENT OF PHILOSOPHY AND RELIGION

Dr. Steven Parchment, Chair
www.philosophy.eku.edu
 (859) 622-1400

The Department of Philosophy and Religion provides graduate level courses as support for graduate programs in related disciplines.

DEPARTMENT OF PHYSICS AND ASTRONOMY

Dr. Mark Biermann, Chair
www.physics.eku.edu
 (859) 622-1521

The Department of Physics and Astronomy cooperates with the other natural science departments and the College of Education in offering the Master of Arts in Education with option in Physical Science. The program is primarily for non-specialized science teachers and is described in the College of Education section of this *Catalog*.

DEPARTMENT OF PSYCHOLOGY

Dr. Robert Brubaker, Chair
www.psychology.eku.edu
 (859) 622-1105

The Department of Psychology offers the Master of Science degree in Clinical Psychology and Industrial and Organizational Psychology, General Psychology, and the Specialist in Psychology (Psy.S.) degree in School Psychology. Clinical psychology students may elect to complete a program for "Providing Services to the Deaf/Hard-of-Hearing" in cooperation with the Department of Special Education. The department also cooperates with the College of Education in offering course work for the Master of Arts in Education with an option in psychology. Requirements for this degree may be found in the College of Education section of this *Catalog*.

MASTER OF SCIENCE and SPECIALIST IN PSYCHOLOGY

Candidates must satisfy the following special requirements.

Admission — A minimum of five undergraduate courses in psychology: general psychology, statistics, and experimental psychology are required, as well as two other courses acceptable to the departmental admissions committee. An undergraduate course in industrial and organizational psychology or related course is required for the industrial and organizational psychology program. A minimum overall undergraduate grade point average of 2.5, or 2.75 for the last 60 hours, is a Graduate School requirement. Satisfactory performance on the general sections of the Graduate Record Examination is required prior to admission. A minimum combined score of 750 (V&Q) on the GRE is required for full consideration to all graduate programs in the Department of Psychology. Admission is competitive and limited to available space. Meeting the minimum requirements, therefore, does not guarantee admission. Candidates must arrange for submission of three letters of recommendation directly to the department, two related to the undergraduate major, with at least one from psychology faculty.

Applications should be received by March 15. Notification regarding admission normally will be made in April. Students applying later may be accepted as space is available.

Comprehensive Examination — Candidates for the degree will take written and oral examinations in the area of study in which they seek the master's or specialist degree.

Internship — Students in both the clinical psychology and the school psychology programs must perform satisfactorily in PSY 899 or PSY 898 in partial fulfillment of requirements for the degree.

Clinical Psychology Program

Requirements for the degree are a minimum of 60 graduate hours including six credit hours for the 16 week internship. Advanced practicum and internship placements should reflect the selected clinical emphasis.

Research Courses	9 hours
PSY 820, 846, and (888 or 890 or approved elective).	
Theory Courses	16 hours
PSY 826, 837, 840, 841, 847, 853.	
Techniques Courses	19 hours
PSY 824, 825, 827, 850, 857, 860, 871.	
Experiential Course	16 hours
PSY 843 (10 hours), 899.	
Total Requirements	60 hours

Clinical psychology students may elect to complete a program for "Providing Services to the Deaf/Hard-of-Hearing" in cooperation with the Department of Special Education. This is designed to meet the needs of individuals trained as clinical psychologists who seek to provide a range of psychological services, including assessment and psychotherapy, to deaf or hard-of-hearing children and adults. The program provides an introduction to deaf culture and the development of communication skills through the following course work cluster:

Prerequisite Courses**	15 hours
SED 101, SED 102, SED 115, SED 201, SED 202	
** These courses or the equivalent of these courses demonstrated through proficiency in American Sign Language and an equivalent orientation to deafness.	
Required Courses	9 hours
SED 830, PSY 845, and an additional requirement that three hours of PSY 843 must be earned in a practicum setting serving deaf or hard-of-hearing clients.	

General Psychology

A total of 33 credit hours is required for candidates for the Master of Science in General Psychology. In addition to 18 credit hours of required courses, 9 credit hours of electives approved by the student's graduate advisor are required. A total of 6 credit hours of master's thesis is required (students enrolled in the Specialist in School Psychology may substitute 6 credit hours of electives approved by the coordinator of the School Psychology program).

Psychological Foundations	18 hours
PSY 820, 837, 840, 847, 853, 862.	
Electives	9 hours
Thesis (or additional electives for School Psychology students)	
.....	
Total Requirements	33 hours

Industrial and Organizational Psychology

A total of 49 credit hours is required of candidates for the Master of Science in Industrial and Organizational Psychology. In addition to 34 hours of required courses, 3 credit hours of either thesis, master's research project, or an approved elective and 6 credit hours of practica are required. Another 6 credit hours of electives are chosen after consultation with the program coordinator in light of the student's academic and professional goals.

Psychological Foundations	19 hours
PSY 790, 820, 826, 837, 862, 868, and 888 or 890 or approved elective.	
Industrial and Organizational Psychology Core	18 hours
PSY 844, 870, 872, 873, 874, 875.	
Practicum	6 hours
PSY 843.	
Electives**	6 hours
Total Requirements	49 hours

**Courses from other disciplines such as general business, economics, management, marketing, political science, health education, and loss prevention and safety may be suitable as electives. Electives must be approved by the program coordinator, the student's graduate committee, and the relevant department before the courses are taken.

School Psychology Program

The school psychology program is a three calendar year (71 semester hour) program leading to the Specialist in Psychology degree in school psychology. The third year is spent in internship. The Psy.S. degree qualifies the individual to seek Kentucky and National School Psychologist Certification and licensure through the State Board of Psychology.

Psychological Foundations 12 hours

PSY 837, 840, 847, 853.

Educational Foundations (1 from each group) 9 hours

(1) EAD 800, 828.

(2) ELE 871, EMG 806, EME 873, ESE 774.

(3) SED 800 or SED 810.

Assessment and Intervention 25 hours

PSY 824, 827, 843 (six hours), 846, 850, 857, 865, 881.

Professional Psychology 4 hours

PSY 826, 848.

Research, Evaluation, and Statistics 9 hours

PSY 820, 862, and 868 or 888 or 890.

Internship 12 hours

PSY 898.

Total Requirements 71 hours

*Students must also meet the general requirements of the Graduate School.

College of Business and Technology

Dr. Robert B. Rogow, Dean
Business and Technology Center 214
(859) 622-1409

Dr. Janna Vice, Associate Dean
Business and Technology Center 214
(859) 622-1574

www.cbt.eku.edu

The College of Business and Technology, in association with the Office of Graduate Education and Research, offers the Master of Business Administration degree, the Master of Science degree in Industrial Technology and the Master of Science degree in Career and Technical Education.

The Master of Business Administration offers options in (1) Accounting and (2) Integrated Communication.

The Master of Science degree in Career and Technical Education offers options in (1) Agriculture Education; (2) Technical Education Administration; (3) Technology Education; and (4) Occupational Training and Development.

Various departments of the College provide specialized courses in support of graduate programs in their respective disciplines leading to the Master of Arts in Education degree.

Vision

EKU's College of Business and Technology will provide educational opportunities to enhance the entrepreneurial, technological, and professional capacity of its region.

Mission

The mission of the College of Business and Technology is to serve as a school of opportunity for students from varied cultural and educational backgrounds by providing conceptual, applied, and experiential educational approaches through instruction, research and service. The College's programs and services prepare students and other stakeholders for their futures while improving the economic development of the University's service region, the Commonwealth, and the nation.

Goals

To fulfill its mission, the College of Business and Technology is committed to the following goals: (1) To promote and support a climate that respects and celebrates diversity by attracting, developing and educating a diverse student, faculty, and staff population; (2) To continuously assess and improve the services and infrastructure of the University to support and maintain high quality programs; (3) To promote learning through high quality programs, research, and support services; (4) To develop and enhance an environment facilitating intellectual curiosity, cultural opportunities and problem-solving abilities for members of the

University community; and (5) To increase and enhance external and internal constituency engagement, while maintaining a connection with the southeastern region of Kentucky.

Master of Business Administration Degree Program

CIP Code: 52.0101

Dr. Judy Spain, MBA Director

MBA Vision Statement

EKU's MBA program will provide educational opportunities to enhance the professionalism and abilities of its students through an AACSB International accredited business program designed for working professionals and recent graduates.

MBA Mission Statement

EKU's MBA program is committed to providing students with the tools and experiences they need to broaden their professionalism and add value to their companies and the communities where they live. To ensure that MBA students achieve a competitive edge in today's global marketplace, EKU's MBA program is dedicated to these six major themes:

Quality — EKU's MBA program is accredited by the premier accrediting body for business programs, AACSB International. Classes are taught by full-time graduate faculty who meet high standards of instruction and research.

Flexibility — Students may attend on a part-time or full-time basis. Classes are scheduled on nights and weekends for working professionals. The program accepts both business and non-business degree applicants.

Specialization — Students may design their degree as a general business program building expertise in many areas or may choose to specialize.

Application — Student projects are designed based on real-world issues that may effectively solve workplace problems or provide new ways of looking at industry concerns. Emphasis is placed on discussions of business ethics.

Technology — Classes integrate technology at all levels of the curriculum whether in a traditional classroom or through web-enhanced classes.

Professionalism — Challenging coursework and peer interactions provide opportunities for enhancing communication, leadership, team, and networking skills.

Program Objectives

The Master of Business Administration degree program provides for breadth of study in the functional areas of business administration and management. The program is intended to prepare students for responsible careers in business enterprises, governmental organizations, and nonprofit institutions. It is designed to provide opportunities for developing skill in scientific analysis and in an ability to integrate concepts and research findings of business and the social sciences. Students are prepared to draw logically sound conclusions, to think creatively, to communicate effectively, and to appreciate the role and responsibilities of business enterprise in our broad social framework.

Special Program Requirements

Admission — Minimal requirements for clear (unrestricted) admission to the Master of Business Administration program are as follows: Applicants must (1) hold a bachelor's degree from a regionally accredited institution with a minimum overall undergraduate grade point average (UGPA) of 2.5 and (2) score no less than 410 on the Graduate Management Admission Test (GMAT). [These minimal admission requirements are subject to revision by the MBA Faculty.]

In addition to the above requirements, applicants must obtain a GPA of at least B- on the following prerequisite or equivalent courses:

ACC 201 - Introduction to Financial Accounting
ACC 202 - Introduction to Managerial Accounting
CIS 300 - Management Information Systems
FIN 300 - Business Finance
MGT 300 - Principles of Management
MKT 300 - Principles of Marketing
QMB 200 - Business Statistics I

Additionally, applicants must obtain grades of at least C- on the following prerequisite or equivalent courses:

ECO 230 - Principles of Economics I (Microeconomics)
ECO 231 - Principles of Economics II (Macroeconomics)

Applicants who have not completed these courses or met the grade requirement, but who meet the minimum requirements stated above, could be admitted. The prerequisite courses must be completed prior to taking MBA core or elective courses.

Students with undergraduate degrees older than seven years will need to have their transcripts further evaluated in order to determine which of the above prerequisites have been satisfied.

Expected Competencies — Applicants are expected to have sufficient background to function effectively in graduate courses that require computer-related knowledge or skills. Proficiency in word processing, spreadsheets, database management and

computer applications as well as knowledge of differential calculus is assumed.

In addition, the assumption is made that all applicants can demonstrate proficiency in spoken and written communication. On the basis of GMAT verbal scores, interviews, TOEFL scores, samples of written work, or other appropriate indicators of speaking and writing proficiency, MBA applicants may be required as a precondition for admission to satisfactorily complete courses or tutorial experiences designed to enhance their communication skills.

International Students — Applications from international students are encouraged. Refer to the University admission guidelines for admitting international students.

Application Procedures

MBA applicants must apply for admission through the Graduate School. MBA applicants are required to take the GMAT and meet all admission requirements prior to enrolling in MBA courses. Official GMAT score results from ETS must be submitted to the Graduate School. TOEFL scores are required for all international students without a recent undergraduate degree from a regionally accredited institution.

In addition to all the requirements specified by the Graduate School, applicants must submit the following items directly to the MBA Office:

1. Cover letter detailing the specific reason(s) why you are pursuing your MBA at ECU
2. Resume
3. Three letters of reference. At a minimum, one letter of reference must comment specifically about your oral and written communication skills.

All application materials must be submitted, processed and approved for admission by the Graduate School and the MBA Office prior to five weeks before the first day of classes of the intended enrollment.

Beyond University minimums, the MBA Director is responsible for administering and interpreting all admission requirements.

Probation and Progress in the Program — If, in any semester of study, a student's graduate grade point average falls below 3.0 for all courses taken either after admission to the Program or for MBA core and elective courses, the student will automatically be on academic probation. The student will be dismissed from the program following any second semester with a cumulative GPA below 3.0 for either of the two categories indicated above.

A student in the MBA program is allowed to earn no more than one C, and no Ds or Fs in courses taken after admission to the program. A second grade of C, or one D or F for any course taken after admission will result in dismissal from the program.

Core Requirements 24 hours

ACC 850, Managerial Accounting 3 hours
CCT 850, Strategic Business Communication 3 hours
CIS 850, Management of Information Systems 3 hours
FIN 850, Strategic Financial Management 3 hours
GBU 851, Business Strategy 3 hours
MGT 850, Leading and Managing Organizations 3 hours
MKT 850, Marketing Management 3 hours
QMB 850, Statistical Methods for Business 3 hours

Electives

Approved Business Electives 6 hours
Total Course Requirements 30 hours

Accounting Option (restricted to students with Accounting baccalaureate)

MBA Core Courses (ACC 850 waived) 21 hours
Accounting Electives 9 hours
Total Course Requirements 30 hours

Integrated Communications Option

MBA Core Courses 24 hours
Electives 9 hours
 CCT 750, MKT 880, PUB 720, or other courses approved by advisor.
Total Course Requirements 33 hours

Comprehensive Exam or Thesis Requirement**Comprehensive Exam**

Total Program Hours 30-33 hours

OR**Thesis Option**

GBU 891 6 hours
Total Program Hours 36-39 hours

Students may either complete a comprehensive exam, or a thesis, approved by a Thesis Committee of three MBA Faculty. The thesis will be guided by an Advisor, who is also a member of the MBA Faculty, and who will serve on the Committee. Students who pursue the Thesis Option will register for three credit hours of GBU 891 per semester, up to a maximum of six credit hours, until the thesis is approved. Those who pursue the Comprehensive Exam Option, but fail the Comprehensive Exam, are not allowed to pursue the Thesis Option. Students who pursue the Thesis Option, but who did not complete the thesis may change to the Comprehensive Exam Option.

Comprehensive examinations are scheduled and given by the MBA Director during the fall and spring semesters. Students pursuing the Comprehensive Exam Option must pass this exam during the semester for which it is expected that they will complete their MBA course work. The Dean of Graduate School must receive certification of satisfactory completion of the comprehensive exam no later than ten days prior to commencement. A student who fails the comprehensive exam may petition the MBA director for not more than one additional attempt to pass. The second examination must be taken and passed in not less than 60 days nor more than 12 months following the semester or summer session in which the student first failed.

General Information — Classes for the MBA program are offered at times which are convenient for part-time students.

Each student must have his/her program of elective courses approved by the MBA Director. Determination of equivalent and substitute courses will be made by the MBA Director in consultation with department chairs.

Upon written petition, subject to approval by the Dean of Graduate School and the Director of the MBA Program, students may transfer a maximum of nine semester hours of acceptable graduate level work from other AACSB-International accredited institutions.

The maximum course load for MBA students normally is 9 semester hours. Students who have full-time employment are discouraged from taking more than six semester hours.

MBA students must also meet general requirements of the Graduate School.

GRADUATE COURSE CREDIT

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart. Credit will not be awarded for both the 700 and 500 level of the same course.

Cross Listed Courses — Some courses are offered under different prefixes with the same course content. Students will not be awarded credit for any course which they have previously received credit under a cross listed prefix.

DEPARTMENT OF ACCOUNTING, FINANCE AND INFORMATION SYSTEMS

Dr. Oliver Feltus, Acting Chair
www.accounting.eku.edu
 (859) 622-1087

The Department of Accounting, Finance, and Information Systems in cooperation with the Office of Graduate Education and Research and the College of Business and Technology, participates in the Master of Business Administration program. The Master of Business Administration offers an option in Accounting. Information and requirements for this option can be found in the Master of Business Administration section of this *Catalog*. ACC 750 cannot be taken by students who have an undergraduate major in accounting.

DEPARTMENT OF MANAGEMENT, MARKETING, AND ADMINISTRATIVE COMMUNICATION

Dr. Norb Elbert, Chair
www.management.eku.edu
 (859) 622-1377

The Department of Management, Marketing, and Administrative Communication in cooperation with the Office of Graduate Education and Research and the College of Business and Technology, participates in the Master of Business Administration program. An option in Integrated Communications is offered by the Master of Business Administration program. Information and requirements for this option can be found in the Master of Business Administration section of this *Catalog*.

DEPARTMENT OF AGRICULTURE

Dr. Bruce Pratt, Chair
www.agriculture.eku.edu
 (859) 622-2228

The Department of Agriculture provides courses at the graduate level in technical agriculture and horticulture. Students receiving graduate credit must meet additional specified requirements.

Graduate students have the choice of two degree options: a Master of Arts in Education with an Agriculture Education option or a Masters of Science in Career and Technical Education with an Agriculture Education option.

The Masters of Arts in Education with an option in Agriculture Education is offered through the College of Education in cooperation with the Department of Agriculture. Information and requirements for this program can be found in the College of Education section of this *Catalog*.

The Masters of Science in Career and Technical Education with an option in Agriculture Education is offered through the Department of Technology in cooperation with the Department of Agriculture. Information and requirements for this program can be found in the Department of Technology section of this *Catalog*.

DEPARTMENT OF COMMUNICATION

Dr. Maureen Everett, Chair
www.communication.eku.edu
 (859) 622-1871

The Department of Communication provides courses at the graduate level in public relations and communication studies. Students receiving graduate credit in these courses must meet additional specified requirements.

An option in Integrated Communications is offered by the Master of Business Administration program. Information and requirements for this option can be found in the Master of Business Administration section of this *Catalog*.

DEPARTMENT OF TECHNOLOGY

Dr. William E. Davis, Chair
www.technology.eku.edu
 (859) 622-3232

Graduate courses leading to the satisfaction of requirements for the degrees Master of Science in Career and Technical Education and Master of Science in Industrial Technology are offered by the Department of Technology.

The Master of Science degree in Career and Technical Education is available in four options:

Technology Education — designed to meet the needs of experienced and prospective teachers of technology subjects in junior colleges, high schools, and middle schools. Upon completion of a degree in this option, graduates will be able to: 1) accurately synthesize their total program experiences; 2) conduct technical

research related to emerging technology in the discipline; and 3) design a contemporary technology education facility.

Technical Education Administration — designed to meet the needs of experienced and prospective vocational/technical education administrators. The program provides students the opportunity for advanced study in vocational/technical administration, and also fulfills the graduate curriculum requirements specified for Kentucky vocational/technical administration certification. Upon completion of a degree in this option, graduates will be able to: 1) accurately synthesize their total program experiences; 2) demonstrate their competence for organizing and implementing administrative techniques; and 3) accurately address the administrative standards for technical education administrators.

Occupational Training and Development — designed to provide experiences through course work for those who desire to become trainers of existing or prospective employees in an occupational setting. Upon completion of a degree in this option, graduates will be able to: 1) plan and implement instruction for technical and professional content; 2) develop and apply appropriate instructional strategies for technical and professional content; 3) develop and demonstrate competence for organizing, developing and presenting instruction in a business and/or industry setting; and 4) accurately synthesize their total program experiences. Graduates of this program are usually employed in the human resource development sector of a business or industrial organization.

The Master of Science Degree in Industrial Technology has been planned for those individuals who are interested in careers in industrial management. Courses in the program have been designed to cause students to examine principles, concepts, attitudes, and methods for dealing with many of the challenges that confront industry now and in the future. The program will be of value to those who are currently employed in industry and have professional growth aspirations. It will also be of value to those who have recently completed undergraduate study and want more preparation before embarking upon their career.

Agriculture Education — designed to meet the needs of experienced and prospective teachers of agriculture and horticulture in junior colleges, high schools, and middle schools. Upon completion of the option graduates will be able to: 1) demonstrate competence for organizing, developing and presenting instruction; 2) apply appropriate instructional strategies for technical and professional content; and 3) accurately synthesize their total program experiences.

Special Program Requirements*

MASTER OF SCIENCE Career and Technical Education

CIP Code: 13.1309

Admissions — Applicants are expected to present an appropriate undergraduate technical teaching major and provide proof of acceptable professional and scholarly aptitude. An undergraduate grade point average of 2.5 and a combined Graduate Record Examination score of 700 on the Verbal and Quantitative sections are expected.

Curriculum for Master of Science in Career and Technical Education

Core Courses 12 hours
CTE 865, 888; EPY 869; TEC 830.

Agriculture Education Option

Agriculture Teaching 12 hours
AGR 701, 770, 777, 807.
Supporting Work 6 hours
Selected from EAD 827, 828; EDF 855; EMS 880; ESE 872.
Total 30 hours

Technology Education Option

***Technical Teaching** 12 hours
CTE 863, 864; TEC 831, 867.
Supporting Work 6 hours
Selected from EAD 827, 828; EDF 855; EMS 880; ESE 872.
Total 30 hours

Technical Education Administration Option

Administrative Core 6 hours
CTE 861, CTE 863.
Supporting Work 12 hours
CTE 864; EAD 801, 827, 828.
Total 30 hours

Occupational Training and Development Option

Industrial Instruction 12 hours
CTE 800*, 801*, 802 (6 hrs).
Supporting Work 6 hours
PSY 873, 874, 875 or other courses (approved by advisor).
Total 30 hours

*Those students with a background in education should complete six semester hours of additional support work or six semester hours of TEC 867, Research in Technology, (approved by advisor) rather than CTE 800 and 801.

Thesis — The thesis is not required in the Master of Science in Career and Technical Education program.

Comprehensive Examinations — The candidate will have an opportunity to show professional growth through a written or oral examination covering the program components during the term in which graduation is scheduled.

*Students must also meet the general requirements of the Graduate School.

The Master of Arts in Education degree with an option in Technology Education is offered in collaboration with the College of Education.

Special Program Requirements*

MASTER OF SCIENCE Industrial Technology

CIP Code: 15.0603

Upon completion of a degree in Industrial Technology, graduates will be able to: 1) plan, implement, and analyze technical projects; 2) demonstrate ability to formulate and apply advanced technical problem solving and managerial concepts; and 3) accurately synthesize their total program experience.

Admission – Applicants are expected to present proper prerequisite preparation or industrial management experience. They should have an understanding of materials and processes, the principles of production control, and the economics of industry; computer literacy; the ability to communicate graphically; and the ability to apply statistics to the solution of industrial problems. The program may have appeal to those with undergraduate preparation in such areas as industrial or manufacturing technology, business administration, and engineering or other graduates who have more than five years of experience in industrial management. An undergraduate grade point average of 2.5 and a combined score on the Verbal and Quantitative Sections of the Graduate Record Examination of 800 or 420 on the Graduate Management Admissions Test are expected. Attributes of the applicant related to managerial and technical promise and other life experiences will be considered by the department Graduate Studies Committee.

Comprehensive Examinations – The candidate will have an opportunity to show professional growth through a written or oral examination covering the various program components during the term in which graduation is scheduled.

*Students must also meet the general requirements of the Graduate School.

Program – Individual plans of study will include work from three areas:

Major Courses 18 hours
INT 706, 801, 802, 804, 805, and TEC 830.

Supporting Courses 6 hours
Selected from ACC 820, CIS 826, FIN 851, GBU 850, MGT 821, MKT 825, QMB 850, STA 700 and other courses by advisement.

Synthesis Experience 6 hours
INT 820 and 821, or INT 822.

Total 30 hours

College of Education

Dr. William Phillips, Dean

**Combs 421
(859) 622-1175**

Dr. Kim Naugle, Associate Dean

**Combs 420
(859) 622-1175**

www.education.eku.edu

Eastern Kentucky University has maintained a strong interest in and commitment to the preparation of teachers since its founding in 1906 and is dedicated to the preparation of teachers who function effectively in a culturally diverse society in order to meet the needs of all students.

The College of Education, in cooperation with the Office of Graduate Education and Research, offers the Masters of Arts in Education degree programs for elementary teachers, middle grade teachers, secondary teachers, special education teachers, school counselors, and speech-language pathologists. Other graduate programs include a Master of Arts in Teaching: Elementary Education, Middle Grade Education, Secondary Education and P/12 programs; a fifth year program for certificate renewal leading to Rank II certification; a sixth year program leading to Rank I certification; the professional certificate for Director of Special Education; the Master of Arts degree in mental health counseling and in human services in higher education; the Specialist in Education degree in administration and supervision and in student personnel services in higher education; and a joint doctoral program (Ed.D.) with the University of Kentucky.

GRADUATE COURSE CREDIT

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart. Credit will not be awarded for both the 700 and 500 level of the same course.

Cross Listed Courses — Some courses are offered under different prefixes with the same course content. Students will not be awarded credit for any course for which they have previously received credit under a cross listed prefix.

Master of Arts in Education Program Requirements

The following are general requirements for the Master of Arts in Education. In addition to these general requirements and the University requirements of the Graduate School, specific program requirements may be found in the appropriate departmental section of this *Catalog*.

Program Planning — During the first term, the student must develop a planned program. Students for whom program plans have not been appropriately filed will not be eligible for a second registration. Subsequent changes of the program plan are permissible, but must be approved on the appropriate form by the advisor, the department chair, the college dean, and the graduate dean.

Every candidate for the degree shall complete a minimum of 15 semester hours in professional education as a component of the graduate program.

The remainder of the course work shall be determined by the institution in terms of the student's need, provided (1) that at least 12 hours shall be in an approved teaching field, and (2) that all such course work shall be approved graduate level credit.

Individuals interested in community college teaching will need to complete the Masters Degree and at least 18 hours of graduate course work in their specialization.

Transfer Credits — Candidates for the Master of Arts in Education degree are restricted to transfer of not more than nine semester hours.

Thesis — The thesis is not required in any program leading to the Master of Arts in Education degree. Students with special research interests are encouraged to explore thesis possibilities with their advisor.

Comprehensive Examinations — The candidate will have an opportunity to demonstrate professional growth through a written and/or oral examination covering education and major program components during the term in which graduation is scheduled.

Curriculum Requirements for Graduate Programs in Education — All programs leading to the Master of Arts in Education have a core of professional education requirements. The student should check the specific program for professional education core requirements of that program.

Rank II Certification, the Fifth Year Non-Degree Program

To provide an alternative to a master's degree program for teachers, the College of Education offers, in cooperation with other colleges of the University, a fifth year of study leading to the Rank II classification and renewal of the elementary, middle grade, secondary and special education teaching certificate.

The fifth year program requires a minimum of 32 semester hours of graduate course work which include:

1. 12 hours to be taken in the area of teacher specialization
2. 12 hours of professional education
3. Eight hours chosen to fit general or specific needs of candidates without regard to offering department.

Programs of study must be approved and filed with the advisor and the Office of Student Services no later than the term in which the first six hours are to be completed.

General institutional guidelines:

1. Students must have Rank III (Provisional certification) through a regionally accredited institution.
2. At least 18 of the 32 semester hours must be earned at Eastern Kentucky University.
3. Candidates for the Rank II classification must have a grade point standing at the completion of the program of 2.5 on a 4.0 scale. No more than 40 credits (32 required) may be submitted to achieve the necessary average.
4. Course credits specified for Rank II cannot be more than 10 years old at the completion of the program.
5. Credit earned by correspondence shall not apply toward the fifth year program.
6. A minimum of 12 hours of appropriate credits earned in the Rank II Fifth Year program may be applied in graduate degree programs. Rank II program credits with earned grade of "C" or lower may not be applied to subsequent graduate degree programs. A student who desires to enter the master's degree program after completion of the non-degree fifth year program must:
 - a. make application for and be recommended by the department offering the master's degree program.
 - b. meet all current academic criteria specified for admission to and completion of the requested master's degree.

Rank I Certification, the Sixth Year Program

The College of Education, in cooperation with the offering departments within the College of Education, other colleges of the University, and the Office of Graduate Education and Research, offers Rank I programs for teachers, school counselors, school administrators, supervisors, directors of pupil personnel, and directors of special education.

Program guidelines are highly flexible. General institutional guidelines include:

1. A minimum 30-semester hour program in addition to:
 - a. requirements for Rank II classification, or
 - b. 60 semester hours including the master's degree.
2. Each program shall be planned in consultation with the student's advisor prior to completion of nine hours of course work applicable to the program. The planned program shall be filed with the Office of Student Services. Upon application by the student and completion of the program, the certification officer shall recommend Rank I classification to the Kentucky Department of Education.
3. Students shall be fully admitted to the Graduate School prior to approval of the Rank I planned curriculum by the advisor and the filing of the curriculum with the Office of Student Services.

4. At least 15 semester hours shall be taken at Eastern Kentucky University. The remaining 15 semester hours credit may be taken at ECU or, upon approval by the advisor, at other accredited graduate schools and transferred.
5. All courses in the 30 semester hour requirement for Rank I shall be graduate level and a "B" average shall be required for certification. No credit shall be allowed for any course carrying a grade lower than "C." At least 12 hours shall be courses open only to graduate students. Only graduate credits not used in the Rank II (fifth-year non-degree program) shall be considered in the Rank I program. All credits earned in the master's degree program can be included in the 60 hours required for completion of the Rank I program.
6. The Rank I program shall include six additional semester hours of professional education, 24 hours of courses in a certified teaching field (combined in the Rank II and Rank I programs) and free electives to total 30 semester hours. Preparation-certification programs for school administrators, school counselors, pupil personnel directors, and directors of special education can be part of a Rank I program.
7. Course credit specified for Rank I cannot be more than 10 years old at the completion of the program.
8. For any specific requirement applicable to special fields or individual departments, contact the appropriate department or school.

Specialist in Education Degree

Nature and Purpose of the Degree

The Specialist in Education degree is a professional degree, designed for those preparing for positions which call for a level of study and specialization beyond the master's degree. The specific goal is to provide the additional preparation needed for certification and competence in a specialized school position, in the role of college teacher, and by those engaged in student personnel work.

The 30-hour minimum requirement is a structured and unified program oriented toward the student's professional objectives. For selected students, planning for the Specialist in Education degree may begin following completion of the baccalaureate degree. For some students, the specialist degree may lead to advanced study for the doctorate.

Extensive use of the library, informal associations with fellow students and with staff, and participation in non-class activities provided by the University afford important learnings that can only be realized through full-time study.

Admission Requirements

The promise of the applicant as a successful professional worker in a chosen field is central to admission to the Specialist in Education program. To this end, admission to the Specialist program is based upon the following entrance requirements:

1. Completion of requirements for the master's degree from an accredited college or university.
2. Refer to program area for specific Graduate Record Examination requirements.
3. Successful professional experience appropriate to and as required in specific programs.
4. Completion of application forms for admission to the program.
5. Approval of a screening and selection committee composed of three persons appointed by the departmental chair.

Program Requirements

Each candidate's program of study will be designed to meet specific needs as they relate to the chosen field of specialization. Provision is made for a core of courses, for additional courses in the area of specialization and in cognate fields as appropriate, for independent study, and for the development of a specialist project.

Core Courses — A nine-hour block of courses is a part of all Specialist in Education programs. These nine hours relate to the kind of experimentation and action research that is a part of the continuing work of the educator. The student is provided opportunity to become acquainted with research in the field of specialization and to gain the needed background in the methodology of experimentation. (Core courses are identified in the individual departmental section.)

Additional Work in the Area of Specialization — Courses, seminars, and practice in the area of specialization are listed and described in the section relating to the particular program.

Independent Study — Students admitted to candidacy for the specialist degree may engage in independent study for credit. Other than those directly related to the specialist project, activities may include library research, conferences, discussions, writings, observations, visits, interviews, and direct practical experience in the field of specialization. Credit is based upon evidence of growth in accord with the goals outlined for the independent study by the student and advisor.

Specialist Project — The specialist project is another form of independent study in which each student engages. It is planned with reference to the student's professional goals, needs, and interests. Results of the investigation are presented in a written report.

Overall Guides for Program Requirements — In addition to the previously stated requirements, the following guides should be noted.

1. A minimum of 36 semester hours of graduate work beyond the master's degree, including the specialist project, must be completed.
2. Twelve hours of course work must be completed after admission to candidacy.
3. Candidates may take a maximum of nine semester hours of 800 level course work or equivalent credit from an institution with a recognized sixth-year graduate program. Course work so completed must be approved by the student's advisor as meeting program requirements.
4. All credit applied to the Ed.S. degree must be in courses numbering 800 and above.

The candidate for the Ed.S. degree advances toward the awarding of that degree as the following steps are taken in the order indicated.

Admission to Candidacy for the Ed.S. Degree

Application for admission to candidacy for the Specialist in Education degree should be filed by the student and the student's advisor:

1. When a minimum of nine semester hours of graduate credit beyond the master's degree has been earned at Eastern Kentucky University. (A minimum of 12 semester hours must be taken after admission to candidacy.)
2. When work taken toward the Ed.S. degree shows an overall graduate grade point average of 3.0 or above.
3. When the advisor has approved the planned program of study and a copy of this program has been filed with the department chair and the Dean of the Office of Graduate Education and Research.

Following the student's initiation of application for candidacy, the student's advisor through the department chair recommends candidacy to the Office of Graduate Education and Research.

Completion of Degree Requirements

In working with the student toward the completion of degree requirements, the student's advisor will take a leadership role. Members of the committee will serve in a supporting role as requested by the advisor and/or the student. Major activities of the committee include:

1. Advising with the student regarding the selection of the specialist project.
2. Assisting in its development and recommending approval of the written report of the project.
3. Participating in the final oral presentation and defense of the project.
4. Recommending the awarding of the Ed.S. degree.

The student will be awarded the Specialist in Education degree when the following requirements have been met:

- a. Completed course requirements (minimum of 30 semester hours) with an overall graduate grade point average of not less than 3.0 (4 point scale).
- b. Satisfactorily passed final comprehensive written and/or oral examinations required by the department.
- c. Submitted the report of the specialist project, in writing, to members of the committee and secured their approval to arrange for an oral examination and defense of the project. (The completed project must be submitted to committee members at least one week prior to the scheduled defense. The oral defense must be scheduled at least three weeks prior to the close of the semester in which the degree is to be awarded.)
- d. Satisfactorily defended the project in an oral examination.
- e. Presented two approved copies of the project, unbound in final form, to the Office of Graduate Education and Research at least three weeks before the close of a regular term or two weeks before the close of the summer term in which the student is to be certified for graduation. In preparing final copies of the project, as well as the copies submitted in "C" above. It is recommended that the American Psychological Association Publication Manual be followed.
- f. Passed a common education core and a subject matter specialization competency examination for program evaluation.
- g. Filed an application for graduation as instructed by the Office of Graduate Education and Research.

The Cooperative Doctoral Program in Education

The College of Education provides course work for the major field of study in support of the Doctoral Program offered through the Office of Graduate Education and Research with the University of Kentucky. The final degree is awarded by the University of Kentucky.

Special Program Requirements*

Admission — The applicant should present a score of at least 1,000 on the combined verbal and quantitative general test of the Graduate Record Examination. Normally three years of appropriate experiences are required.

Committee — The student's advisory committee must be comprised of three members of the graduate faculty from the University of Kentucky and may include two members of the graduate faculty from Eastern Kentucky University. At least one of the Eastern Kentucky University representatives should be from the College of Education.

Residence — The student must complete a minimum of 18 semester hours of his/her doctoral course work, take the qualifying examinations, and complete the dissertation project at the University of Kentucky.

Program — The following majors are offered through the Program: Instruction and Supervision; Health, Physical Education and Recreation; Educational Policies, Studies and Evaluation; Special Education; and Vocational Education.

*Students must also meet the general requirements of the Graduate School.

OFFICE OF TEACHER ADMISSION AND CERTIFICATION

Dr. Sherwood Thompson, Director
Combs 423, (859) 622-1828

The Office of Teacher Admission and Certification receives and processes applications for teaching certificates (Rank III, II and I) and additional certificates for school personnel (principals, supervisors, superintendents, directors of special education, counselors, psychologists, and pupil personnel directors.)

Planned programs for degree and non-degree teacher certification programs are received and maintained in the Office of Teacher Admission and Certification.

Students seeking initial teaching certification must meet all the requirements for admission to the teacher education program as stated in the Undergraduate Catalog. Students pursuing an alternative route to certification will follow the admission requirements as described in the program display.

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Dr. Michael A. Martin, Chair
www.education.uky.edu
Combs 112, (859) 622-2154

The Department of Curriculum and Instruction is responsible for program advisement and development in elementary education, middle grade education, secondary education, and library science. Programs of study may lead to the Master of Arts in Education degree, Rank II, Rank I, and Master of Arts in Teaching degree (Initial Certification). The elementary education program has options in early elementary education, gifted/talented education, middle grade education, and reading/writing. The secondary education program in cooperation with appropriate departments throughout the University offers program options in agriculture, allied health (non-teaching), art, biology, business and marketing, chemistry, earth science, English, family and consumer science, mathematics: computer science, mathematics: mathematics and statistics, music, physical education, physics, school health, social studies: geography, social studies: history, and technology.

Elementary Education Program Requirements

MASTER OF ARTS IN EDUCATION Elementary Education

This curriculum is designed to improve the professional knowledge and skills of teachers in elementary and middle schools.

Admission — In addition to other criteria, a minimum total GRE score of 700 with verbal and quantitative subtest scores of at least 300 is required for clear admission to all options of the M.A.Ed. program in Elementary Education. As an alternative to the GRE, a raw score of 35 on the Miller's Analogies test will also meet the required admission test requirement. Students must also meet the general requirements of the Graduate School.

Elementary Education Option

This program is designed to help teachers certified to teach in elementary schools (P-5) improve their professional skills, extend their knowledge of the subjects they teach, and increase their understanding of the intellectual, philosophical, sociological, psychological, and cultural foundations of effective education.

Professional Education Core	15 hours
ELE 810, 871, EPY 839, 869	12 hours
One of the following	3 hours
EMS 818, 830, 842, 855, 880, SED 800.	
Specialization	12 hours
Subject matter: Courses selected to strengthen student's knowledge of subjects taught.	
Electives	3 hours
Selected with advisor approval.	
Minimum Program Total	30 hours

Middle Grade Education Option

The curriculum is designed to help teachers certified to teach in middle schools improve their professional skills, extend their knowledge of the subjects they teach, and increase their understanding of the intellectual, philosophical, sociological, psychological, and cultural foundations of effective education.

Professional Education Core	15 hours
EMG 806, 810, EPY 839, 869	12 hours
One of the following	3 hours
EMS 818, 830, 842, 855, 880, SED 800.	
Specialization	12 hours
Subject matter: Courses selected to strengthen student's knowledge in areas of certification.	
Electives	3 hours
Selected with advisor approval.	
Minimum Program Total	30 hours

Gifted Education Option

This program offers individuals certified to teach at the elementary, middle grade, and secondary levels or variations thereof an additional certification option.

Admission — In addition to general Graduate School admission criteria, a minimum total GRE score of 700 with verbal and quantitative subtest scores of at least 300 is required.

Professional Education Core	15 hours
EPY 839, 869, EMS 855	9 hours
One course from each of the following lists	3 hours
A. ELE 810, EMG 810, ESE 863.*	
B. ELE 871, EME 873, EMG 806, ESE 774.*	
*Selection of specific courses will be based upon prior level of preparation and student need.	
Gifted Education Component	9 hours
EMS 856, 857, 858.	
Electives	6 hours
Selected with advisor approval to enhance preparation for teaching gifted/talented students.	
Minimum Program Total	30 hours

Reading/Writing Option

This program meets guidelines for certification as Reading/Writing Specialist (P-12).

Professional Education Core	15 hours
One of the following	3 hours
EME 873, ELE 871, EMG 806, ESE 774.	
EPY 839, 869	6 hours
One of the following	3 hours
ELE 810, EMG 810, ESE 863.	
One of the following	3 hours
EMS 830, EMS 855, SED 775, 777, 778, 779, 790, 800, 802.	
Reading Component	12 hours
EMS 868, 875, EME 877	9 hours
One of the following	3 hours
EME 751, 874, ENG 805, other options with advisor approval.	

Electives	6 hours
Selected with advisor approval.	
Minimum Program Total	30 hours

Rank II Classification, the Fifth Year Program

General policies governing the fifth year program leading to Kentucky Rank II classification appear in the general section of the College of Education. General requirements for teachers certified for P-5 and 5-8 are outlined below.

Curriculum for Fifth Year Rank II Program - Elementary Education

Professional Education Core	12 hours
A. ELE 810.	
B. One of the following: ELE 871, EME 873.	
C. Two of the following: EDF 835, 837, 850, 855, EMS 842, 855, EPY 816, 839, SED 775, 790, 800.	
Subject Matter Courses	12 hours
Courses approved by the advisor.	
Electives	8 hours
Minimum Program Total	32 hours

Curriculum for Fifth Year Rank II Program - Middle Grade Education

Professional Education Core	12 hours
A. EMG 810.	
B. One of the following: EME 873, EMG 806.	
C. Two of the following: EDF 835, 837, 850, 855, EMS 842, 855, EPY 816, 839, SED 775, 790, 800.	
Subject Matter Courses	12 hours
Courses approved by the advisor.	
Electives	8 hours
Minimum Program	32 hours

Rank I Classification, the Sixth Year Program

General policies governing the sixth year program leading to Rank I classification appear in the general section of the College of Education.

Curriculum for Sixth Year Rank I Program - Elementary and Middle Grade Education

Professional Education	6 hours
Courses in Certified Teaching Area	12-15 hours
Elementary (P-5)	12 hours
Middle Grade (5-9)	15 hours
Electives	9-12 hours
Elementary (P-5)	12 hours
Middle Grade (5-9)	9 hours
Selected with prior approval of the advisor.	
Minimum Program Total	30 hours

**Curriculum for Sixth Year Rank I Program -
Elementary and Middle Grade Education:
Environmental Education**

This program offers individuals certified to teach at the elementary, middle grade and secondary levels or variations thereof an additional certification endorsement.

Professional Education Core 9 hours
EPY 869, EPY 839, EPY 816.

One course from each of the following lists 6 hours
ELE 810, EMG 810 or ESE 863.
EMG 806, ESE 774, ELE 871 or EME 873.

Environmental Education Component 12 hours
EMS 861, EMS 863, CNM 800, CNM 799.

Content Electives 3 hours
Selected with advisor approval to enhance preparation for teaching environmental education.

Minimum Program Total 30 hours

**Curriculum for Sixth Year Rank I Program -
Secondary Education: Environmental Education**

This program offers individuals certified to teach at the elementary, middle grade and secondary levels or variations thereof an additional certification endorsement.

Professional Education Core 9 hours
EPY 869, EPY 839, EPY 816.

One course from each of the following lists 6 hours
ELE 810, EMG 810 or ESE 863.
EMG 806, ESE 774, ELE 871 or EME 873.

Environmental Education Component 12 hours
EMS 861, EMS 863, CNM 800, CNM 799.

Content Electives 3 hours
Selected with advisor approval to enhance preparation for teaching environmental education.

Minimum Program Total 30 hours

Library Science Program Requirements

**MASTER OF ARTS IN EDUCATION
Library Science**

Master of Arts in Education, Rank II Nondegree, and Rank I Nondegree Library Science programs leading to certification as school media librarian for grades P-12 are offered. Students entering the program must be certified as classroom teachers.

Admission — In addition to other criteria, a minimum total GRE score of 700 with verbal and quantitative subtest scores of at least 300, writing subtest required but no cut-off score established are required for clear admission to the MAEd. program in library science. As an alternative to the GRE, a raw score of 35 on the Miller's Analogies test will also meet the required admission test requirement.

Library Science — Curriculum for P-12

Professional Education Core 12 hours

One of the following 3 hours

ELE 871, EMG 806, ESE 774, EPY 839, 869 6 hours

One of the following 3 hours

ELE 810, EMG 810, ESE 863.

Specialization 22-28 hours

LIB 701*, 769*, 800, 802, 805, 821, 831, 863, and 870.

Total Program Hours 34-40 hours

*Students who have completed LIB 501 and/or LIB 569 with a grade of "C" or better may use them to reduce requirements in the Library Science block by 3-6 hours. Students who have completed LIB 501 and/or LIB 569 for credit may not take LIB 701 and/or LIB 769.

Rank II Classification, the Fifth Year Program

General policies governing the fifth year program leading to Kentucky Rank II classification appear in the general section of the College of Education.

Rank II Nondegree Fifth Year Curriculum, P-12

Professional Education Core 12 hours

A. One of the following: ELE 871, EMG 806, or ESE 774.

B. One of the following: ELE 810, EMG 810, or ESE 863.

C. Two of the following: EDF 835, 837, 850, 855, EMS 842, 855, EPY 816, 839, SED 775, or 800.

Specialization 22-28 hours

LIB 701*, 759*, 800, 802, 805, 821, 831, 863, and 870.

Total Program Hours 34-40 hours

*Students who have completed LIB 501 and/or LIB 569 with a grade of "C" or better may use them to reduce requirements in the Library Science block by 3-6 hours. Students who have completed LIB 501 and/or LIB 569 for credit may not take LIB 701 and/or LIB 769.

**Rank I Classification, the Sixth Year
Program for P-12**

General policies governing the sixth year program leading to Rank I classification appear in the general section of the College of Education.

Professional Education 6 hours

(As approved for Rank I Programs) Students who have not previously completed a graduate reading methods course must take ELE 871, EMG 806, or ESE 774.

Library Science Courses* 22-28 hours

LIB 701*, 759*, 800, 802, 805, 821, 831, 863, and 870.

Total Program Hours 31-34 hours

*Students who have completed LIB 501 and/or LIB 569 with a grade of "C" or better may use them to reduce the number of hours required in the Library Science block by 3-6 hours. Students who have completed LIB 501 and/or LIB 569 for credit may not take LIB 701 and/or LIB 769.

Secondary and Higher Education Program Requirements

MASTER OF ARTS IN EDUCATION Secondary Education

This curriculum is designed to help students achieve goals and develop competencies in professional education, academic areas and interpersonal relationships.

Admission — In addition to other criteria, a minimum total GRE score of 700 is required in all secondary options. Verbal and quantitative subtest scores of at least 300 are required for clear admission to the MAEd. programs in secondary education.

Professional Education Core 15 hours

- EPY 869 3 hours
- EPY 839 3 hours
- ELE 810, EMG 810, or ESE 863 3 hours
- ELE 810 may be taken in P-12 programs.
- EMG 810 may be taken by individuals with middle grade certification.
- ESE 863 may be taken by individuals with 5-12 or 8-12 certification.

One course from each of the following lists:

- A. ESE 774, EMG 806, EPY 816, or SED 800 3 hours
- B. EMS 818, 830, 842, 855, 883, or EPY 854 3 hours

Specialization Option 12 hours

Courses selected from student's area(s) of certification.

Electives 3 hours
Minimum Program Total 30 hours

OPTIONS — The Master of Arts in Education in Secondary Education is offered with the following academic specialization options:

Agriculture Option 12 hours

Selected from AGR 701*, 770*, 777, 807*, or OHO 807. (*May be retaken to a maximum of 6 hours with advisor approval.)

Allied Health (Non-teaching) Option 15 hours

HEA 798, HEA 898, Additional courses selected from HEA or related areas with advisor approval.

Art Option 12 hours

ART 760*, 762, 794, 795, 800*, 810*, 820*, 830*, 840*, 863*, 870*, or 880.* (*May be retaken to a maximum of 9 hours with advisor approval.)

Biology Option 12 hours

BIO 714, 718, 721, 722, 724, 725, 728, 731, 736, 742, 750, 753, 754, 755, 756, 757, 758, 799, 802, 806, 816, 845, 846, 848, 849, 850, others with advisor approval.

Business Education Option 12 hours

ACC 721, 750, 820, 850, CCT 760, 850, 880, CIS 850, 860, ECO 780, 790, 850, GBU 850, MGT 850, others with advisor approval.

Elective: Any course from above list not taken as subject matter requirement; others with prior advisor approval

English Option 12 hours

At least one course from each of the following areas:

AREA I (ENG 730, 731, 735, 740, 745, 750, 770, 833, 850, 853, 854, 870, 873, 874, 876, 878, 880), others with advisor approval.

AREA II (ENG 702, 710, 715, 720, 725, 800, 804, 807, 808, 809, 810, 825), others with advisor approval.

Students may take ENG 805 Writing Project and use three hours in AREA II, but the remaining three hours can be used as an elective only.

Family and Consumer Science
Education Option 12 hours

Certification in family and consumer science education is for grades 5-12.

Select courses from the following list which emphasize area of certification: ADM 717, 719, CDF 734, 738, 747, 749, 750, NFA 700, 701, 705, 707, 709, 715.

Recommended Electives: ESE 776, 860, 861, 867, others with advisor approval.

Mathematics: Computer Science
Option 12 hours

CSC 812, CSC 831, Two courses selected from the following: CSC 745, CSC 746, CSC 833, CSC 834, CSC 842, CSC 880.

Electives: Students lacking six hours of high level programming language such as Pascal or "C" must take CSC 730 or an equivalent. Students lacking mathematical background adequate for CSC 831 should take CSC 801. Students having the background described above will select 3 hours of electives from Computer Science or other advisor approved options.

Mathematics: Mathematics, Statistics,
and Computer Science Option 12 hours

Select courses from at least three of the following groups including at least one 800 level course. Other courses may be selected with advisor approval.

- Group A (MAT 706, 806, 809, 810, 870);
- Group B (MAT 740, 750, 815, 850, 856, 870);
- Group C (MAT 705, 735, 755, 760, 870, 871);
- Group D (CSC 730, 745, 746, 812, 831);
- Group E (STA 700, 701, 720, 721, 825).

Music Option 12 hours*

To be selected from the following: MUS 713, 751, 754, 755, 756, 764, 765, 784, 789, 845, 846, 847, 850, 872, 880, 883, 885.

*At least one three hour course at the 800 level must be selected.

Physical Education Option 12 hours

Certification in physical education may be K-12.

Select two courses from one category and one course from each of the remaining categories.

Category I (PHE 820, 835, 851, 869 or 875);

Category II (PHE 822, 848, 891);

Category III (PHE 821, 831, 833, 852, 895).

Chemistry, Earth Science, or**Physics Option 12 hours**

With advisor approval, student will choose science courses from one science discipline in order to strengthen background in that discipline. At least one course at the 800 level is required.

Electives 3 hours**Minimum Program Total 30 hours****School Health Option^a 12 hours**

HEA 800, 875, 6 hours selected from HEA 790, 792, 793, 794, 795, 807, 855, 880, other options with advisor approval.

Electives: Students seeking initial certification in Health must complete EME 786.

Social Studies: Geography Option 12 hours

GEO 701 (May be taken for a maximum of six hours credit if topics differ), 753, 755, 756, 797, others with advisor approval.

Social Studies: History Option 12 hours

HIS 700, 707, 709, 716, 730, 731, 749, 800, 806, 807, others with advisor approval.

Technology Education Option 12 hours

Certification in technology education in the grades 5-12.
MFG 801, 867, TEC 701, 733, 830, TTE 864, VIT 861, 863, 865 or 888, other options with advisor approval.

Rank II Classification, the Fifth Year Program

General policies governing the fifth year program leading to Kentucky Rank II classification appear in the general section of the College of Education. General requirements for teachers certified for 5-12, 8-12, and P-12 outlined below.

**Curriculum for Fifth Year Rank II Program -
Elementary and Middle Grade Education:
Environmental Education**

This program offers individuals certified to teach at the elementary, middle grade and secondary levels or variations thereof an additional certification endorsement.

Professional Education Core 9 hours

EPY 869, EPY 839, EPY 816.
One course from each of the following lists 6 hours

ELE 810, EMG 810 or ESE 863.

EMG 806, ESE 774, ELE 871 or EME 873.

Environmental Education Component 12 hours

EMS 861, EMS 863, CNM 800, CNM 799.

Content Electives 3 hours

Selected with advisor approval to enhance preparation for teaching environmental education.

Minimum Program Total 30 hours

**Curriculum for Fifth Year Rank II Program -
Secondary Education**

Professional Education Core 12 hours

A. One of the following: ESE 863, ELE 810*, or EMG 810.*

B. One of the following: ESE 774 or EMG 806.

C. Two of the following: EDF 835, 837, 850, 855, EMS 842, 855, EPY 816, 839, SED 775, 790, 800.

Subject Matter Courses 12 hours

Courses approved by the advisor.

Electives 8 hours**Minimum Program 32 hours**

*Open to students with 5-12 and P-12 certification.

**Curriculum for Fifth Year Rank II Program -
Secondary Education: Environmental Education**

This program offers individuals certified to teach at the elementary, middle grade and secondary levels or variations thereof an additional certification endorsement.

Professional Education Core 9 hours

EPY 869, EPY 839, EPY 816.

One course from each of the following lists 6 hours

ELE 810, EMG 810 or ESE 863.

EMG 806, ESE 774, ELE 871 or EME 873.

Environmental Education Component 12 hours

EMS 861, EMS 863, CNM 800, CNM 799.

Content Electives 3 hours

Selected with advisor approval to enhance preparation for teaching environmental education.

Minimum Program Total 30 hours**Rank I Classification, the Sixth Year Program**

General policies governing the sixth year program leading to Rank I classification appear in the general section of the College of Education.

**Curriculum for Sixth Year Rank I Program -
Secondary Education**

Professional Education 6 hours**Courses in Certified Teaching Area 12 hours****Electives 12 hours**

Selected with prior approval of advisor.

Minimum Program Total 30 hours**ALTERNATIVE ROUTES TO INITIAL CERTIFICATION**

**MASTER OF ARTS IN TEACHING
Secondary and P-12 Education Option**

This program is designed to provide students who have already completed a major in a teaching field opportunity to complete secondary/P-12 teaching certification requirements while completing a master's degree. Teaching areas for which this program is available include: agriculture, art, biological science, business and marketing*, chemistry, earth science, English, family and consumer sciences, health, mathematics, music*, physical education, physics, social science, Spanish, and technology education.

*Students seeking admission in these areas will have to provide evidence of having completed specific undergraduate courses prior to admission.

Middle Grades 5-9 Option

This option is designed to allow students who have already completed an appropriate major (determined by transcript review) to complete teaching certification requirements while completing a master's degree. Students will choose two emphasis areas from the following:

- Language Arts
- Mathematics
- Science
- Social Studies

Elementary Education P-5 Option

This option is designed to allow students who have already completed an appropriate major (determined by transcript review) to complete teaching certification requirements while completing a master's degree.

CRITERIA/PROCEDURES FOR ADMISSION^a

Admission — Students seeking admission to the program must:

1. Submit an application to the Graduate School indicating a bachelor's degree including all transcripts from accredited colleges attended except Eastern Kentucky University.
2. Provide evidence of the following prior to being accepted into the program:
 - a. Master's degree OR 3.0 overall undergraduate GPA OR 3.0 in the last 60 hours of coursework.
 - b. Acceptable Graduate School Admission exams by one of the following:
 - GRE 350 verbal and 350 quantitative*

*Applicants who completed the GRE prior to October 1, 2002 must meet the following:

1100 total score or may use the following formula to meet the GPA and GRE requirements:

Minimum 2.75 GPA and minimum 1000 GRE to apply the formula $GPA \times GRE = \text{minimum } 3300$.

Miller's Analogy Exam 35.

- c. Major (or equivalent) in the field in which certification is being sought (only for secondary candidates others are reviewed for appropriate course content).
- d. PRAXIS II scores in the desired certification area with the exception of elementary, middle grade, secondary (art and music).
- e. A professional resume.
- f. An autobiography documenting relevant life/work/educational experience.
- g. Three letters of reference.
- h. Complete two written disposition assignments given by the department.
- i. Complete an interview with the Master of Arts in Teaching.

Program Planning — During the first term of enrollment, the student must develop and submit to the Office of Graduate

Education and Research a planned program. In addition to the required professional preparation courses, students will take 12 hours of graduate course work in their field of certification. Faculty from the student's major field will evaluate his/her undergraduate transcript and take into consideration life/work experiences, and performance on the PRAXIS II in recommending courses to be taken in the program. Students in business-marketing will need to complete a semester of prerequisite undergraduate courses.

Transfer Credit — The student must complete the professional courses at Eastern Kentucky University. Acceptance of transfer subject matter courses will be determined on an individual basis.

Thesis — A thesis is not required in this program; however, an action research project which culminates in a technology enhanced presentation is required in the Capstone Seminar.

CURRICULUM REQUIREMENTS

Master of Arts in Teaching

Secondary P/12 Education Option

Professional Education Core	27 hours
EGC 820, 830, 845, 846, 847, 889	21 hours
EMG 806 or EMS 774	3 hours
SED 800	3 hours
Specialization	12 hours
Courses will be selected with advisor approval.	
Minimum Program Total	39 hours

Middle Grades 5-9 Option

Professional Education Core	27 hours
EGC 820, 830, 835, 836, 837, 839	21 hours
EMG 806	3 hours
SED 800	3 hours
Specialization	12 hours
Courses will be selected with advisor approval.	
Minimum Program Total	39 hours

Elementary Education P-5 Option

Professional Education Core	21 hours
EGC 820, 826, 827, 829, 830	18 hours
SED 800	3 hours
Specialization	27 hours
ELE 810, 871	6 hours
EME 863, 866, 870, 874, 710, 796	18 hours
MAT 803	3 hours
Minimum Program Total	48 hours

This program offers individuals certified to teach at the elementary, middle grade and secondary levels or variations thereof an additional certification endorsement.

Elementary Education: Environmental Education Option

Professional Core	9 hours
EPY 869, EPY 839, EPY 816.	
One course from each of the following lists	6 hours
ELE 810, EMG 810 or ESE 863.	
EMG 806, ESE 774, ELE 871 or EME 873.	
Environmental Education Component	12 hours
EMS 861, EMS 863, CNM 800, CNM 799.	

Content Electives 3 hours
 Selected with advisor approval to enhance preparation for teaching environmental education.
Minimum Program Total 30 hours

This program offers individuals certified to teach at the elementary, middle grade and secondary levels or variations thereof an additional certification endorsement.

Secondary Education: Environmental Education Option Professional Education Core 9 hours
 EPY 869, EPY 839, EPY 816.

One course from each of the following lists 6 hours
 ELE 810, EMG 810 or ESE 863.
 EMG 806, ESE 774, ELE 871 or EME 873.

Environmental Education Component 12 hours
 EMS 861, EMS 863, CNM 800, CNM 799.

Content Electives 3 hours
 Selected with advisor approval to enhance preparation for teaching environmental education.

Minimum Program Total 30 hours

Endorsements

ENDORSEMENT IN INSTRUCTIONAL COMPUTER TECHNOLOGY

The Instructional Computer Technology endorsement will prepare students to demonstrate proficiency in implementing various aspects of educational technology in K-12 schools. Students seeking this endorsement must hold initial teacher certification and be proficient computer users. The endorsement is offered online: EDC 810, 811, 812, 813.

ENDORSEMENT IN LITERACY CONSULTANT

This program is designed for teachers in grades 4-12 and leads to a Consultant Endorsement focusing on Literacy. Students entering the program must have obtained at least a Master's Degree with an emphasis in one or two content areas. In addition, applicants must document experience and/or personal qualities that predict success in: serving in a leadership role, collaborating with others, coaching others with various levels of experience and knowledge, excellent communications skills, and a commitment to ongoing professional development.

The Literacy Consultant Endorsement is designed for individuals who already hold a teaching certificate and Master's Degree to add an additional specialty as part of a second Master's Degree, Rank I, or as an additional certificate endorsement to a Rank I.

EMS 870 (Practicum in Literacy Consulting) 3 hours
 EMS 889 (Capstone Seminar in Literacy Consulting) ... 3 hours
 One course (3 hours) chosen with advisor approval to complete the option from: ELE 871, EMG 806, ESE 774, EMS 850, EME 873, EME 868 or EMS 875

DEPARTMENT OF EDUCATIONAL LEADERSHIP & POLICY STUDIES

Dr. Robert Biggin, Interim Chair
www.education.eku.edu
 Combs 406, (859) 622-1125

The Department of Educational Leadership offers degree and non-degree graduate programs in educational leadership.

Master of Arts in Education
 Educational Leadership
 Rank I and Rank II Programs
 Educational Leadership

Specialist in Education
 Education Administration and Supervision

Educational Leadership Program Descriptions

Educational Leadership programs are designed to build a professional knowledge-base, leadership and management skills, and positive attitudes among aspiring educational and school district leaders. The courses and experiences address the Interstate School Leaders Licensure Consortium that has been adopted by the Kentucky Education Professional Standards Board in partnership with the National Council for Accreditation of Teacher Education.

The Instructional Leadership – School Principal (All Grades) program prepares educational leaders and managers for leadership positions with P-12 schools. Initial certification for school principal requires completion of an approved master's degree, Level I or Level II, and three years of teaching experience and successful completion of the School Leaders Licensure Assessment, and the Kentucky Principal test.

The Supervisor of Instruction program prepares instructional supervisors for school district-wide leadership. Initial certification for supervisor of instruction requires completion of an approved master's degree, Level II Principal certification, and three years of teaching experience.

The Director of Pupil Personnel Services program prepares directors and assistant directors of pupil personnel services for school district-wide leadership. Initial certification for director of pupil personnel services requires completion of an approved master's degree, Level II Principal certification and three years of teaching experience.

The Superintendent of Schools program prepares highly qualified candidates for district-wide leadership. Initial certification for school superintendent requires completion of an approved master's degree, Level II Principal certification, and three years of teaching and two years of administrative experience.

Admission Requirements

Master of Arts in Education

- A score of 300 on the verbal section of the Graduate Records Exam (GRE) or a scaled score of 360 on the Millers Analogy Test (GMAT).
- 3.0 GPA in the undergraduate degree or 3.0 GPA in the last 60 undergraduate hours or a 3.0 GPA in a minimum of 15 graduate hours.

Non-degree Certification Programs

- Master's Degree.
- 3.0 GPA on graduate work.

Exit Requirements

- A master's degree is required to receive initial certification in a Level I or Level II Principal program.
- A Kentucky classroom teaching certificate and appropriate years of teaching and administrative experience as described above are required.

Assessment Requirements

- A program portfolio is required for each candidate admitted to the program. The program portfolio will be continuously developed and assessed within each course. Content contained within the portfolio shall align with the Interstate School Leaders Licensure Consortium Standards that have been accepted by the Kentucky Education Professional Standards Board. The advisor of each candidate will review the portfolio at least once during Level I and/ or Level II and at the completion of a candidate's program.
- Departmental comprehensive exam.
- The School Leaders Licensure Assessment (SLLA).
- The Kentucky Principal Test.

Research Requirement

- Complete an action research project in EAD 869.

Masters of Arts in Education – Educational Leadership

CURRICULUM REQUIREMENTS**LEVEL II (Certificate)**

Instructional Leadership 30 hours
EAD 801, 810, 824, 827, 828, 831, 834, 846, 869, EMS 850.
(With a previously completed Master's Degree.)

LEVEL I (Certificate)

Instructional Leadership 21 hours
EAD 801, 810, 827, 828, 834, 869, EMS 850.

LEVEL II (Certificate)

Instructional Leadership 9 hours
EAD 824, 831, 846.
(Level I certification required.)

ADDITIONAL CERTIFICATION OPTIONS

Supervisor of Instruction 12 hours
EAD 849, 859, EPY 816; SED 775, 800, or 810.
(Level II certification required.)

Director of Pupil Personnel Services 18 hours
EAD 808, 821, 849, 859, EPY 816; SED 775, 800, or 810.
(Level II certification required.)

Superintendent of Schools 12 hours
EAD 839, 849, 859, 879.
(Level II certification required.)

Specialist in Education Degree Educational Administration and Supervision

Program Admission — Admission to the Specialist in Education program is based upon the following entrance requirements:

1. Earned a master's degree from an accredited college or university with a minimum grade point average of 3.25.
2. A combined score of 1000 on the verbal and quantitative sections of the Graduate Record Examination.
3. Successful professional experience appropriate to and as required for relevant certification programs.
4. Completion of Graduate School application packet.
5. A short essay (300-500 words) describing the relationship between the applicant's professional goals and the Ed.S. program.
6. Approval of screening and selection committee composed of three persons appointed by the department chair.

Program Requirements — Each student's program of study will be individually planned within the following curriculum framework:

Research Methods Core	6 hours
EDL 810, 811.	
Academic Core	12 hours
EDL 821, 822, 823, 824.	
Administrative Core*	12 hours
EAD 801, 808, 824, 827, 828, 831, 834, 839, 846, 849, 859; ELE 810; EMG 810; EMS 850; ESE 863; EPY 816; SED 775, 800, 810.	
Field Experience	3 hours
EDL 800.	
Thesis	3 hours
EDL 899.	
Minimum Program Total	36 hours

*Note: Courses listed here are those required for various P-12 certification programs (principal, superintendent, supervisor of curriculum, director of pupil personnel); with the approval of the advisory committee, students may apply for enrollment in certification programs and use courses completed as part of the Ed.S. to fulfill certification requirements. See certification program descriptions for specific requirements.

Thesis — Candidates must successfully complete and defend a thesis presenting an original research project that contributes to the literature in educational leadership or a related field.

DEPARTMENT OF COUNSELING AND EDUCATIONAL PSYCHOLOGY

Dr. Connie Callahan, Interim Chair
www.education.eku.edu
Combs 406, (859) 622-1124

The Department of Counseling and Educational Psychology offers degree and non-degree graduate programs in counseling and educational psychology.

Master of Arts

- Human Services (Two Options)
 - Student Personnel Services in Higher Education
 - Community Agencies
- Mental Health Counseling

Master of Arts in Education

- School Counseling

Rank I and Rank II Programs

- School Counseling

Endorsements

- Elementary School Counseling
- Secondary School Counseling
- Individual Intellectual Assessment

Counseling and Educational Psychology

The Counseling and Educational Psychology program area offers graduate programs in school counseling and mental health counseling as well as in human services (with options in student personnel services in higher education and in community agencies). Mental Health and School counseling programs are accredited by CACREP and meet the curriculum standards of the Kentucky Board of Certification for Professional Counselors.

Counseling and Educational Psychology Program Descriptions

The **Mental Health** program will prepare professional counselors to work in a variety of mental health settings, such as comprehensive care centers, regional mental health centers, hospitals and other settings in which mental health services are provided. Program electives may be used to work toward additional counseling specialty certifications such as in family, chemical dependency or gerontology counseling.

The **Human Services** program has two options. The Student Personnel Services in Higher Education option prepares individuals to work in a variety of student affairs settings in institutions of higher education. The Community Agencies option prepares individuals to function in a variety of support roles but not as counselors.

The **School Counseling** program is designed to prepare individuals to become school counselors. Although not required for this program, teaching certification and one year of teaching experience is required in order to earn the Kentucky School Counseling Certificate. The Provisional School Counseling Certificate will be awarded by the EPSB upon completion of the 48 hour degree. A Temporary Provisional certificate is available, see department chair for specific program requirements. The School Counseling Certification earned will be at either the Elementary School Counseling (K-8) or Secondary School Counseling (5-12) level depending upon the teaching certification held by the individual. Rank II will be earned at the completion of the first 33 hours in the program including the professional core. Twelve (12) additional semester hours beyond the degree will be required to earn the Standard Counseling Certificate and may also be used to earn the Rank I.

The **Individual Intellectual Assessment** endorsement provides an opportunity for certified school counselors to be endorsed to do individual intellectual assessment upon the completion of a minimum of twelve specific graduate hours beyond their provisional counseling certification.

Admissions to Masters of Arts in Education

All graduate school admissions requirements must be met which includes a minimum grade point average of 2.5 on a 4.0 scale and completion of the Graduate Record Exam (GRE), the Miller Analogies Test (MAT), or completion to the Praxis Principles of Learning in Teaching (PLT) exam. The applicant must also submit documentation as described on the counseling program area webpage at http://www.education.eku.edu/CEL/counseling_index.htm. Additionally, the applicant must meet **one** of the following requirements for admission to the programs:

1. an undergraduate overall grade point average of 3.0 on a 4.0 scale **or**
2. an undergraduate grade point average of 3.0 on a 4.0 scale on the last 60 hours **or**
3. a minimum of 400 on the verbal section of the Graduate Record Exam (GRE) **or**
4. a minimum of 400 on the performance section on the Graduate Record Exam (GRE) **or**
5. successfully pass Praxis PLT exam at the level set for that year to meet teacher certification standard.

MASTER OF ARTS

Mental Health Counseling

CURRICULUM REQUIREMENTS

Major Requirements 60-66 hours

Core 51-57 hours

COU 803, 804, 813, 814, 820, 822, 840, 846, 847, 848, 850, 855, 880, 881*, EPY 816, 839, 869.

*3-9 hours if internship is taken over 2-3 semesters.

Course Sequence: COU 813, 840, and 846 must be taken in semester sequence or as a corequisite.

Electives 9 hours

To be selected with advisor approval.

MASTER OF ARTS

Human Services

CURRICULUM REQUIREMENTS

Major Requirements 36 hours

Core 21 hours

COU 804, 813, 840, 846, EPY 816, 839, 869.

Student Personnel Services

in Higher Education Option 12 hours

COU 844, 845, POL 876, 877.

Community Agencies Option 12 hours

COU 803, 847, HEA 795, MGT 860.

Electives 3 hours

To be selected with advisor approval.

MASTER OF ARTS IN EDUCATION School Counseling

CURRICULUM REQUIREMENTS

Major Requirements 48-54 hours
COU 804, 813, 814 820 822, 825, 840, 846, 847, 848, 855, 880,
881*, EPY 816, 839, 869.

*3-9 hours if internship is taken over 2-3 semesters.

Course Sequence: COU 813, 840, and 846 must be taken in semester sequence or as a corequisite.

Provisional Counseling Certification Awarded with Masters' Degree in School Counseling

The provisional certificate for school counselors is issued for a period of five years and may be renewed upon the completion of a minimum of nine semester hours of graduate credit every five years from a standard guidance program until completion of the Standard Guidance Program. A Temporary Provisional certificate is available, see department chair for specific program requirements.

Standard Guidance and Rank I Certification Programs

Persons holding the Provisional Certificate in Elementary or Secondary Counseling or P-12 grades School Counseling may earn Rank I and the Standard Guidance Certificate with specific additional hours from approved elective courses to total 60 graduate hours.

Standard Guidance Certification Requirements

Electives 6 hours

To be selected with advisor approval.

Rank I Certification Requirements Electives 12 hours

To be selected with advisor approval.

Endorsement from Elementary to Secondary School Counseling

Core 6 hours

COU 814, COU 825.

Plus six hours of approved electives.

Endorsement from Secondary to Elementary School Counseling

Core 6 hours

COU 814, COU 825.

Plus six hours approved electives.

Endorsement for Individual Intellectual Assessment

Core 12 hours

COU 826, 827, 856; EPY 816.

Prerequisites: EPY 839, COU 855.

Provisional counseling certification required.

DEPARTMENT OF SPECIAL EDUCATION

Dr. Justin Cooper, Chair

www.specialed.eku.edu

Wallace 245, (859) 622-4442

The Department of Special Education offers graduate programs leading to the Masters of Arts in Education, Rank II and Rank I, and Director of Special Education. The special education Masters of Arts in Education and teaching certification options are learning and behavior disorders, deaf and hard of hearing, interdisciplinary early childhood education, and communication disorders. The Masters of Arts in Education, non-teaching option, is offered in interdisciplinary early childhood education. The Master of Arts in Education, alternative initial certification option is offered in learning and behavior disorders. Students should consult with a graduate advisor for the desired certification program as early as possible.

MASTER OF ARTS IN EDUCATION Special Education

Options in Learning and Behavior Disorders, Deaf and Hard of Hearing, and Interdisciplinary Early Childhood Education.

Admission – For clear admission to the MAEd program options the following programs must have an undergraduate grade point average of 3.0 overall or on the last 60 hours and program test requirement of:

Interdisciplinary Early Childhood Education

- Minimum GRE scores of verbal 400, quantitative 350
- **OR** combined GRE verbal, quantitative scores of 750, GPA of 3.0, and an on-demand writing task scored by IECE faculty
- **OR** Miller Analogies Test (MAT) raw score of 36, 3.0 GPA, and an on-demand writing task scored by IECE faculty
- **OR** GPA of 2.7 and composite GRE x GPA = 2250 and an on-demand writing task scored by IECE faculty.

Learning and Behavior Disorders

- Minimum GRE scores of verbal 450 and quantitative 350
- **OR** combined GRE verbal, quantitative scores of 800, a GPA of 3.0, and an on-demand writing task scored by LBD Faculty
- **OR** Miller Analogies Test (MAT) raw score of 36, GPA of 3.0, and an on-demand writing task scored by LBD faculty
- **OR** GPA of 2.7 and composite GRE x GPA = 2400 and an on-demand writing task scored by LBD Faculty

Deaf and Hard of Hearing

- Minimum GRE scores of verbal 450, quantitative 350 and a GPA of 3.0
- **OR** combined GRE verbal, quantitative scores of 800, and a GPA of 3.0.

CURRICULUM REQUIREMENTS

Professional Core* **9 hours**
 EPY 816, 869 6 hours
 One of the following: 3 hours
 EDF 837, 850, 855 or EMS 830.
All Options: **15 hours**

Teaching Options: Candidates with provisional certification in LBD, DHH, and IECE.

Learning and Behavior Disorders (LBD)

Prerequisite (LBD provisional certification)
 SED 803, 804, 805, 810, and 886 15 hours

Deaf and Hard of Hearing (DHH)

Prerequisite (DHH provisional certification)
 SED 803, 809, 810, 832, and 886 15 hours

Interdisciplinary Early Childhood Education (IECE)

SED 801, 802, 805, 810, and 886 15 hours

Non-Teaching Option: Interdisciplinary Early Childhood Education (IECE)

Prerequisites for entering the IECE option are a bachelor's degree in special education or in a related discipline from an accredited institution.

Prerequisite course work (completed or equivalent)
 SED 104 or 575/775; SED 260, 360 or 820; SED 341 or 590/790; SED 352, 372 or 576/776; SED 518/718; SED 375 or 574/774.

Or documented successful work experience with pre-school children with disabilities approved by the academic advisor.

Program Requirements **30 hours**
Core **15 hours**
 SED 801, 802, 805, 810, and 886.
Electives* **6 hours**

Note: Graduate students who have completed a graduate course in Research in Education, Tests and Measurements, and/or cultural diversity and linguistic differences would select with their advisor a replacement Professional Education course from the list for the Rank II and I Professional Education listing courses.

*SPLASH training will not be counted in the M. A. Ed. in Special Education.

MASTER OF ARTS IN EDUCATION
Alternative Learning & Behavior Disorders
Initial Certification Option

CRITERIA/PROCEDURES FOR ADMISSION

Students seeking admission to the program must:

1. Submit an application to the Graduate School indicating a bachelor's degree including all transcripts from accredited colleges attended except Eastern Kentucky University.
2. Provide evidence of the following prior to being accepted into the program:

- a. Master's degree OR 3.0 overall GPA OR 3.0 on the last 60 hours of coursework.
- b. Acceptable Graduate School Admission exams by one of the following:
 GRE 450 verbal and 350 quantitative* **OR** a combined score of 800 **OR** GPA of 2.75 and composite GRE x GPA = 2400 and an on-demand writing task scored by LBD Faculty.

*Applicants who completed the GRE prior to October 1, 2002 must meet the following:

1100 total score or may use the following formula to meet the GPA and GRE requirements:

Minimum 2.75 GPA and minimum 1000 GRE to apply the formula GPA x GRE = minimum 3300.

Miller's Analogies Exam 36.

- c. A professional resume.
- d. An autobiography documenting relevant life/work/educational experience.
- e. Three letters of reference.
- f. Complete two written disposition assignments given by the department.
- g. An interview arranged by the Special Education Department.

CURRICULUM REQUIREMENTS

Program Requirements **49 hours**
Special Education Core **34 hours**
 SED 745, 775, 776, 778, 790, 791, 793, 807, 856, 886, 897.
Professional Education Core **15 hours**
 EGC 820; ELE 871; EME 843, 872; EMG 806.

MASTER OF ARTS IN EDUCATION
Communication Disorders

Admission Requirements and Procedures

To be eligible for consideration for admission into the MAEd. Program in Communication Disorders, applicants must have a minimum undergraduate GPA of 3.0 overall and a minimum combined GRE score of 800 on the verbal and quantitative subtests and a score of 3 on the written subtest or a raw score of 36 on the Miller Analogies Test. Applicants must provide three positive letters of recommendation describing their potential success at the graduate level of study. Applicants must also provide an essay of approximately 500 words discussing personal and professional objectives. In addition to CD admission requirements, applicants must meet the general admission requirements of the Graduate School. Admission to Eastern Kentucky University's undergraduate program in Communication Disorders does not guarantee acceptance into Eastern Kentucky University's graduate program. There are limited spaces available in the graduate program. The most qualified applicants are admitted. Application forms are available from the Office of Graduate Education and Research, Coates Box 5A, Eastern Kentucky University, Richmond, KY 40475-3102. Send the complete application for admission with all required documents (application form, official transcripts, letters, essay) by February 1 to the Office of Graduate Education and Research.

Once admitted to the CD program students should consult with their academic advisor to determine if they should submit an application for admission to the Professional Education Program in the Office of Student Services, 423 Bert Combs, (859) 622-1828.

Clinical Clock Hours Requirement

Students must complete 375 clinical clock hours before exiting from the graduate program. This requirement will meet the number of hours specified for national certification by the American Speech-Language-Hearing Association and will meet or exceed the hours required for Kentucky Teacher Certification in Communication Disorders and for Kentucky Licensure in Speech-Speech-Language Pathology. Clinical experiences for accruing clock hours are offered through CDS 874, 897, and 898. A maximum of 50 clinical clock hours accrued at the undergraduate level may be counted with appropriate documentation. A minimum of 25 clock hours of (documented) clinical observation must be completed prior to earning these clinical clock hours.

Communication Disorders Core 36 hours

CDS 863, 867, 873, 874 (3-hour course taken 3 times), 875, 876, 877, 878, 879, 880.

Approved Electives in Communication Disorders/Research Option 9 hours

Students who choose the Research Option will take CDS 899 for 3 hours and will take 6 hours of approved electives from areas such as CDF, EDF, ENG, EPY, NUR, OTS, PSY, and/or SED.

Professional Semester I 9 hours

CDS 720 and 898.

Professional Semester II 9 hours

CDS 870 and SED 897.

Minimum Program Total 63 hours

Certification and Rank Programs

Admission — To be eligible for admission into any special education nondegree graduate program (Rank II, I, Director of Special Education), a student must have a minimum undergraduate GPA of 2.5 overall or in the last 60 hours of course work. In addition, applicants for certification as Director of Special Education must have a masters degree or planned fifth-year program; a valid Kentucky certificate for teachers of exceptional children (including speech-language pathologist) or for school psychologist; three years experience (full-time) as a teacher of exceptional children, speech-language pathologist, or school psychologist.

CERTIFICATION PROGRAMS

Candidates pursuing special education certification in Learning and Behavior Disorders, Interdisciplinary Early Childhood Education, and Deaf and Hard of Hearing must hold at least provisional certification in a teaching field. The certification options are listed below. Rank II is earned at 32 hours while the certification is awarded at the completion of the entire program. Additional hours may apply toward a sixth year program (Rank I). It is very important that candidates seek early advisement from the department.

Deaf and Hard of Hearing

The prerequisites are an undergraduate degree and KY Provisional Teaching Certificate in P-5, 5-9, or High School for classroom teachers. Also students must have completed the following or equivalent prerequisite course work.

Prerequisite Courses 12 hours
ELE 445, EMG 447 or 806, MAT 201, 202.

Required Courses 37 hours
SED 775, ASL 101, SED 338, 380, 745, 710, 718, 722, 774*, 781, 830, and 897.

NOTE: Completion of the above program will not suffice for completion of a Rank program. For DHH Certification, the PRAXIS test in the area of a specialty must be passed.

*SED 774 can be waived with one year of successful teaching of students with DHH.

Interdisciplinary Early Childhood Education

The prerequisites are an undergraduate degree in early childhood or related field and a Kentucky Teaching Certificate or meet all requirements for admission to teacher education.

Program Requirements 49 hours

Special Education 28 hours
SED 304, 352, 436, 718, 722, 775, 777, 790, 897 (499).

Child and Family Studies 9 hours
CDF 741, 744, 747.

Supporting Courses 12 hours
SWK 456, ELE 719, NSC 700, OTS 715.

Course Requirements for Admission to Teacher

Education 16 hours
EDF 103/310, 203; CSC 104 or CIS 212; ENG 101, 102; MAT 105 or higher (excluding MAT 201, 202), all with grades of "C" or higher. Students must also take the University Writing Requirement (UWR).

Contact Office of Teacher Admission and Certification for additional requirements for admission to teacher education (859) 622-1828.

Note: Completion of the above program will not suffice for completion of a Rank program. For IECE Certification, successful completion of the Kentucky Interdisciplinary Early Childhood Exam is required. For registration information, contact EPSB Division of Testing, Research, and Internship at (502) 573-4606 ext 224.

Learning and Behavior Disorders

The prerequisites are an undergraduate degree and KY Provisional Teaching Certificate in P-5, 5-9, or High School for classroom teachers. Students must also have completed the following or equivalent prerequisite course work:

Prerequisite Courses 12 hours
ELE 445 or EMG 445; EMG 447 or 806; MAT 201, 202.

Required Courses 34 hours
SED 775, 722, 776, 778; SED 356 or 856; SED 745, 790, 791, 774*, 793, and 897.

NOTE: Completion of the above program will not suffice for completion of a Rank program. For LBD Certification, the PRAXIS test in the area of a specialty must be passed.

*SED 774 can be waived with one year of successful teaching of students with LBD.

RANK PROGRAMS

Rank II (Fifth Year) Programs

The Rank II programs follow the guidelines approved for the College of Education in compliance with state guidelines. However, one of the Professional Core courses, EPY 816, is required by the department for a Rank II. These programs are to be planned in advance with an assigned advisor in special education.

Professional Core 6 hours
Professional Education 6 hours
Planned Electives in Academic Area(s) 12 hours
Planned Electives Within/Outside Department 8 hours
Minimum Total Program 32 hours

Rank I (Sixth Year) Program

The Rank I requires a minimum of 60 hours if a master's program is included or a minimum of 30 additional hours after completion of a planned Rank II program.

Special Education Courses Approved by

Advisor 15 hours
Electives 9 hours
Professional Education 6 hours
Minimum Total Program 30 hours

*SPLASH training will not be counted for the MAEd in Special Education nor for the certifications or endorsements in LBD and MSD, but it may be counted toward Rank I/II if approved as an elective by the advisor. Inservice training programs offered by the Kentucky Department of Education may not be counted for a degree, certification, or rank program.

Professional Certificate for Director of Special Education

The prerequisites for admission to the program for the Professional Certificate for Director of Special Education are:

- (a) a valid Kentucky certificate for teachers of exceptional children (including speech-language pathologists) or for school psychologists.
- (b) three years of experience as a full time teacher of exceptional children or speech-language pathologist and/or three years of experience as a full-time school psychologist.
- (c) a minimum of a master's degree or planned fifth year program.

Prerequisite Courses* 12 hours

*The following or equivalent courses at the undergraduate or graduate level.

SED 775 or SED 800, SED 790 (either SED 356, 793, 804, 806 or 809), SED 886.

Required Courses 15 hours

SED 810, 814, 816 (six hours), EAD 801.

For the Professional Certificate for Director of Special Education, students must enroll in SED 816 within three years of completing SED 810 and 814. All required courses (EAD 801, SED 810, 814, and 816) must be completed within five years.

Non-Degree Program for Providing Services to the Deaf/Hard of Hearing

The following course work cluster is designed to meet the needs of individuals trained in a variety of paraprofessional and professional programs who, upon graduation, are interested in the provision of services to deaf and hard of hearing children, youth, and adults. The program provides an introduction to culture awareness and the development of communication skills through the following course work cluster:

Prerequisite Courses* 15 hours

ASL 101, 102, 201, 202; ITP 115.

* These courses or the equivalent of these courses demonstrated through proficiency in American Sign Language and an equivalent orientation to deafness.

Required Courses 9 hours

SED 774**, SED 830, PSY 845.

**Practicum assignments will be interfaced with the individual's specialty area and placement will be in a setting serving deaf or hard of hearing children, youth, and adults.

College of Health Sciences

Dr. David D. Gale, Dean
Rowlett 203
(859) 622-1523
david.gale@eku.edu

Dr. Deborah Whitehouse, Associate Dean
Rowlett 225
(859) 622-1523
deborah.whitehouse@eku.edu

Departments

Baccalaureate and Graduate Nursing

Dr. Judy Short, Chair	(859) 622-1956	judy.short@eku.edu	Rowlett 225
Graduate Coordinator, TBA			

Environmental Health Science - MPH

Dr. Donald Calitri, Acting Chair	(859) 622-3078	donald.calitri@eku.edu	Dizney 220
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Exercise and Sport Science

Dr. Jack Rutherford, Chair	(859) 622-1887	jack.rutherford@eku.edu	Moberly 233
Graduate Coordinator-TBA			

Family and Consumer Sciences

Dr. Diane Leggett, Chair	(859) 622-3445	diane.leggett@eku.edu	Burrier 102
Graduate Coordinator - Dr. Mary Wilson	(859) 622-1172	mary.wilson@eku.edu	Burrier 200A

Health Promotion and Administration

Dr. Michael Ballard, Chair	(859) 622-1142	michael.ballard@eku.edu	Begley 421
Masters in Public Health Director -	(859) 622-4967	vickie.sanchez@eku.edu	Begley 424
Dr. Vickie Sanchez			

Health Sciences Learning Resource Center

Dr. Patsy Daugherty	(859) 622-2091	patsy.daugherty@eku.edu	Rowlett 311
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Occupational Therapy

Dr. Colleen Schneck, Chair	(859) 622-3300	colleen.schneck@eku.edu	Dizney 103
Graduate Coordinator - Dr. Sharon Shasby	(859) 622-6318	sharon.shasby@eku.edu	Dizney 105

Recreation and Park Administration

Dr. Charlie Everett, Chair	(859) 622-1833	charlie.everett@eku.edu	Begley 401
Graduate Coordinator - Dr. Jon McChesney	(859) 622-1835	jon.mcchesney@eku.edu	Begley 406

The College of Health Sciences, in association with the Office of Graduate Education and Research, offers the following degrees:

Master of Science degree in Community Nutrition with options for 1) – the Community Nutrition Practicum, which does not lead to Registered Dietitian (RD) eligibility or 2) – the Dietetic Internship, which does lead to Registered Dietitian (RD) eligibility.

Master of Public Health degree with options in Chemical Abuse and Dependency, Community Health, Environmental Health Science and Public Administration.

Master of Science in Nursing degree with options in Rural Health Family Nurse Practitioner, Rural Psychiatric Mental Health Nurse Practitioner, and the Advanced Practice Rural Public Health Nursing option with an area of concentration in either Administration or Nursing Education

Master of Science in Occupational Therapy, professional and post professional degrees; multidisciplinary doctoral program in rehabilitation sciences (in collaboration with the University of Kentucky)

Master of Science degree in Physical Education with three options: Exercise and Sport Science, Exercise and Wellness, and Sport Administration.

Master of Science degree in Recreation and Park Administration.

HEALTH SCIENCES LEARNING RESOURCE CENTER

Dr. Patsy Daugherty, Director
www.hplrc.uku.edu
(859) 622-2091
Rowlett 310

The Health Sciences Learning Resource Center is an audiovisual library and computer center for the College of Health Sciences. It provides support to the instructional needs of the faculty through audiovisual materials, equipment, and other services. The primary purpose of the Center is to provide the student the opportunity to reinforce previous learning of clinical/classroom content through independent review of audiovisual materials and Computer interactive learning programs. Students also have access to other resources such as anatomical models, interactive video resources, professional articles, e-mail, the Internet, literature searches, and word processing. The Learning Resource Center is located in the Rowlett Building, Room 310.

CLINICAL FACILITIES

The University maintains formal contracts with many health care agencies located throughout Kentucky and the southeastern United States. The University is not liable for, nor is there a fund from which payment can be made for those who are inconvenienced or incur expenses based upon canceled classes, assignments, or clinical placement, etc. Programs reserve the right to make changes as necessary to ensure a quality educational experience.

GRADUATE COURSE CREDIT

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 levels will not be permitted to enroll for graduate level credit in the 700 level counterparts. Credit will not be awarded for both the 700 and 500 level of the same course.

Cross Listed Courses — Some courses are offered under different prefixes with the same course content. Students will not be awarded credit for any course which they have previously received credit under a cross-listed prefix.

DEPARTMENT OF BACCALAUREATE AND GRADUATE NURSING

Dr. Judy Short, Chair
www.bsn-gn.uku.edu
(859) 622-1827

The Department of Baccalaureate and Graduate Nursing offers the Master of Science in nursing degree. The program is designed to allow nurses with a baccalaureate degree to prepare for rural health advanced practice roles. Master's degree options available include Rural Health Family Nurse Practitioner, Rural Psychiatric Mental Health Nurse Practitioner, and the Advanced Practice Rural Public Health Nursing option with an area of concentration in either Administration or Nursing Education. Students in an option other than Advanced Practice Rural Public Health Nursing who are interested may also request to take the nursing education courses as electives, which are not a part of the planned degree program.

Graduates of the M.S.N. program will have specific competencies related to rural health nursing practice either as a Family Nurse Practitioner, Psychiatric Mental Health Nurse Practitioner, or a Community/Public Health Nursing Specialist. Advanced Nursing Practice Outcomes:

1. Demonstrates the synthesis of expert knowledge for advanced nursing practice in rural communities.
2. Evaluate theory and research in nursing and related disciplines for their contribution to advanced nursing practice and professional role development.
3. Function as a leader in the analysis and advancement of rural health care.
4. Utilize research methodology and advanced nursing practice knowledge to identify client needs, propose interventions at the advanced practice level, and evaluate effectiveness of solutions and alternatives.
5. Work within complex organizational and political systems to influence rural health care delivery.
6. Communicate, collaborate, and consult with clients and colleagues in nursing and other disciplines to meet rural health care needs.
7. Interpret the purpose and role of advanced nursing practice to professional colleagues and consumers.
8. Integrate ethical and legal principles into advanced nursing practice.

Special Program Requirements**MASTER OF SCIENCE IN NURSING
Nursing ^a**

Admission — Minimum requirements for admission to the program include 1) a baccalaureate degree in nursing from a nationally accredited program, 2) a free and unrestricted R.N. license in Kentucky, and 3) an undergraduate GPA of at least 2.75 (4.0 scale) cumulative or in last 60 hours, and (4) a three hour graduate or undergraduate course in statistics with a grade of “C” or higher. Admission is competitive and limited to available space. In addition to the above criteria, consideration is also given to the applicants’ scores on either the sub-tests of the Graduate Record Examination general test or the Miller Analogies Test, the student’s statement of Personal and Professional Objectives submitted with the Graduate School application, the three required professional references and the rural nature of the site identified for matriculation or proposed for future practice. Application deadline is February 15 for summer admission (full-time) and March 15 for fall admission (part-time). Admission may be granted at other times during the year if spaces are available in an option.

Progression Policy — To progress, MSN students must achieve a grade of “B” or higher in many of the prerequisite courses. Refer to the course descriptions in this *Catalog* for specifics. When a student is given permission to repeat a practicum course, the student must also enroll in the corequisite hours of NSC 800.

Comprehensive Examination — Candidates are required to pass an oral comprehensive examination of their program of study.

Program — A minimum of 39 hours of graduate credit is required.

Core Courses 15 hours
NSC 840, 842, 890, 892, HEA 855.

**Rural Health Family Nurse Practitioner
Option** 24 hours
NSC 830, 832, 834 9 hours
RHFNP Practicum Courses (NSC 870, 872, 874, 876)
..... 15 hours
In addition, must complete a minimum of 9 hours of NSC 800 to meet clinical clock hour requirement.
Total Hours 39 hours
Plus 9 hours of NSC 800.

**Rural Psychiatric Mental Health Nurse Practitioner
Option** 24 hours
NSC 830, 832, 834 9 hours
RHFNP Practicum Courses (NSC 880, 881, 882, 884, 886)
..... 15 hours
In addition, must complete a minimum of 7 hours of NSC 800 to meet clinical clock hour requirement.
Total Hours 39 hours
Plus 6 hours of NSC 800.

**Advanced Practice Rural Public Health Nursing Option
(Area of Concentration in Administration)** 24 hours
NSC 844, 854, *approved elective 9 hours
APRPHN Practicum Courses (NSC 836, 850, 852, 860, 862)
..... 15 hours
In addition, must complete a minimum of 4 hours of NSC 800 to meet clinical clock hour requirement.

Total Hours 39 hours
Plus 4 hours of NSC 800.

*Elective can be selected from HEA, POL, NSC or other approved course.

**Advanced Practice Rural Public Health Nursing Option
(Area of Concentration in Nursing Education)** 24 hours
NSC 844, 846, 854 9 hours
APRPHN Practicum Courses (NSC 836, 848, 850, 852, 862)
..... 15 hours
In addition, must complete a minimum of 4 hours of NSC 800 to meet clinical clock hour requirement.
Total Hours 39 hours
Plus 4 hours of NSC 800.

**POST-MASTER OF SCIENCE IN NURSING
CERTIFICATE**

The College of Health Sciences offers a Post-Master’s Certificate in a second nursing speciality or role for nurses who have completed a master of science in nursing degree. The number of credit hours required for completion varies by specialty or role. All MSN policies apply to the Post-MSN Certificate students.

Admission Requirements — Minimum requirements for admission to the program include:

1. Admission to the Graduate School
2. A master of science in nursing degree
3. A free and unrestricted R.N. license in Kentucky

Admission is competitive and limited to available space. In addition to the above criteria, consideration is also given to the student’s statement of Personal and Professional Objectives submitted with the Graduate School application, the three required professional references and the rural nature of the site identified for matriculation or proposed for future practice. Priority is given to degree-seeking applications. Application deadline is February 15. Admission may be granted at other times during the year if spaces are available.

Curriculum Requirements**Post-Master of Science in Nursing Certificate
Nurse Practitioner Options:****Prerequisite for both Nurse Practitioner Options:**

NSC 830 Advanced Pharmacology 3 hours
NSC 832 Advanced Health Assessment 3 hours
NSC 834 Advanced Pathophysiology 3 hours

Family Nurse Practitioner Option:

NSC 870 FNP I 3 hours
NSC 872 FNP II 3 hours
NSC 874 FNP III 3 hours
NSC 876 FNP Internship 3 hours
NSC 800 Concurrent enrollment with 870, 872,
874 for a total of 8 hours

Total 23 hours

Psychiatric Mental Health Nurse Practitioner Option:

NSC 880 PMHNP I	2 hours
NSC 881 Psychopharmacology	2 hours
NSC 882 PMHNP II	2 hours
NSC 884 PMHNP III	3 hours
NSC 886 PMHNP Internship	6 hours
NSC 800 Concurrent enrollment with 880, 882, 884 for a total of	7 hours

Total 22 hours

Public Health Nursing:

Prerequisite: HEA 855 Epidemiology & Risk Management

.....	3 hours
NSC 836 Advanced health Promotion for APNs	3 hours
NSC 850 Rural Health Nursing I	3 hours
NSC 852 Rural Health Nursing II	3 hours
NSC 854 Management of Health Care for APNs	3 hours
NSC 862 Rural Nursing Internship	3 hours
NSC 800 Concurrent enrollment with 850 and 852 for a total of	4 hours

Total 19 hours

Nursing Education:

NSC 844 Nursing Education I	3 hours
NSC 846 Nursing Education II	3 hours
NSC 848 Nursing Education III	3 hours
Approved Elective	3 hours

Total 12 hours

DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE

Dr. Donald Calitri, Acting Chair

www.health.eku.edu/ehs/

(see link to www.mph.eku.edu)

(859) 622-3078

The Department of Environmental Health Science is one of two departments that participate in the Master of Public Health (MPH) program. The department houses the MPH: Environmental Health Science option. The program is tailored to meet the needs of the individuals working in or planning to work in a public health profession. Please see the *Master of Public Health Program* for admission and general degree requirements.

The Department of Environmental Health Science also provides courses in conjunction with the College of Arts and Sciences leading to a Masters of Public Administration degree with an Environmental Health Science option.

Program — A minimum of 46 hours of graduate credit are required.

MPH Core Courses 21 hours

EHS 850, HEA 810, HEA 816, HEA 830, HEA 855, EHS825 or POL 847, and EHS 800 or HEA 840.

Environmental Health Required Courses 15 hours

EHS 845, 855, 865, 877, and 880.

Practicum 3 hours
EHS 863.

Thesis or Non-Thesis 6 hours

EHS 899 and EHS 899C (requires successful completion and oral defense of thesis).

OR

EHS 890 and select 3 hours from:

EHS 840, EHS 860, EHS 870.

Capstone 1 hour

MPH 895.

Total Credit Hours/MPH: EHS Option 46 hours

DEPARTMENT OF EXERCISE AND SPORT SCIENCE

Dr. Jack Rutherford, Chair

www.physed.eku.edu

(859) 622-1887

MASTER OF SCIENCE

Physical Education^a

The Department of Exercise and Sport Science offers the Master of Science degree in Physical Education with three options: Exercise and Sport Science, Exercise and Wellness, and Sport Administration. The options in Exercise and Sport Science and Exercise and Wellness are designed for persons interested in studying the art and science of human movement. The Sports Administration option is designed for the prospective sports administrator in both school and non-school settings. All options afford opportunity for in-depth study and research for purposes of advance graduate work. The Department of Exercise and Sport Science also provides specialized courses used by the College of Education for Master of Arts in Education degree programs and certification programs leading to Rank II and Rank I, Physical Education. The Master of Arts in Education degree in Physical Education, the sixth year non-degree program, and the fifth year non-degree program in physical education are supported by the Department of Exercise and Sport Science and can be found in the College of Education section of this *Catalog*.

Admission — A student must have completed an undergraduate degree and meet the admission standards of the Graduate School. Admission into the Master of Science degree program in Physical Education requires demonstration of adequate undergraduate preparation in physical education or in a field related to graduate study in physical education. Adequate preparation may be demonstrated in one of two ways: (1) Completion of a baccalaureate degree program with a major or minor or equivalent in physical education/exercise sport science or similarly named major or related discipline. Transcripts serve as adequate documentation for admission. (2) Submission of a professional portfolio, which includes a combination of relevant academic and experiential preparation. Presentation of a professional portfolio of work experience serves as documentation for admission consideration. Portfolio materials must document experiences and may include assessments by supervisors or other valid assessment reports. **Note:** Students must submit relevant documents with their original application for admission to the Graduate School.

Thesis — The thesis is optional in this program.

Comprehensive Examination — Candidates shall perform satisfactorily on a written examination of their program of study.

Program — A minimum of 30 hours of graduate is required.

Exercise and Sport Science Foundations 18 hours

PHE 800 or EDF 869 and select 15 additional hours from:
PHE 762, 810, 812, 814, 821, 822, 823, 825, 831, 833, 848,
851, 852, 865, 869, 875, 891, 895.

Select one of the following options 12 hours

Exercise and Sport Science Option

Select one 800 level PHE course (3 hours) plus nine hours of
PHE 700 and/or 800 level courses.*

Sports Administration Option

PHE 835, PHE 730, and PHE 870 (6 hours) or PHE 839 (6
hours).

Exercise and Wellness Option

PHE 812, NFA 717, PHE 871 (6 hours).

Total Requirements 30 hours

*A maximum of nine hours of 700 level course works is allowed.

Note: For information on the Master of Arts in Education Degree in Physical Education, see College of Education.

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES

Dr. Diane Leggett, Chair
www.fcs.eku.edu
(859) 622-3445

The Department of Family and Consumer Sciences offers the Master of Science degree in Community Nutrition, which is designed to prepare professionals for nutrition positions in a variety of community health agencies.

There are two options in the Master of Science in Community Nutrition. Option 1 is for persons who do not desire an internship and does not lead to Registered Dietitian eligibility. Option 2 is the Dietetic Internship and does lead to RD eligibility.

The Department of Family and Consumer Sciences provides courses at the graduate degree level in child and family studies; nutrition, foods, and food service administration; and apparel design and merchandising.

The Master of Arts in Education degree with an option in Family and Consumer Sciences Education is offered in the College of Education with the cooperation of the Department of Family and Consumer Sciences. The requirements for the M.A.Ed. degree may be found in the College of Education section of this *Catalog*.

The M.Ed. is for individuals who are currently certified to teach in Family and Consumer Sciences.

The Master of Arts Teaching (M.A.T.) Degree with an option in Family and Consumer Sciences leads to teacher certification for those who have completed a B.S. (non-teaching) in one of the programs in Family and Consumer Sciences. This degree is also offered by the College of Education with the cooperation of the Department of Family and Consumer Sciences. Degree requirements for the MAT are in the College of Education section of this *Catalog*.

Special Program Requirements

MASTER OF SCIENCE Community Nutrition

Admission — Minimum requirements for admission include 1) bachelor's degree; 2) minimum overall undergraduate GPA of 3.0; and 3) minimum scores of 350 verbal and 350 quantitative on the Graduate Record Examination (GRE) OR a minimum score of 400 on the Miller Analog Test (MAT).

Prerequisites — Applicants who have completed an undergraduate major in a discipline other than dietetics will be required to remediate designated deficiencies in undergraduate education. These requirements may be met while enrolled in the master's program, and must be completed prior to admission to candidacy. Students desiring to apply for an accredited Dietetic Internship must have a Verification Form from an accredited Didactic Program in Dietetics (DPD).

Comprehensive Examinations — All candidates are required to perform satisfactorily on a written examination of their program of study.

Program — The components of the program include (a) core courses, (b) nutrition electives, and (c) applied experiences in community nutrition. Students may enroll in one of two options:

Option 1 requires a minimum of 30 hours of graduate credit, including NFA 835. Option 1 leads to a Master's Degree in Community Nutrition.

Option 2 requires a minimum of 36 hours of graduate credit, including NFA 830 and NFA 831. Option 2 leads to a Master's Degree in Community Nutrition and completion of an accredited Dietetic Internship. Students completing Option 2 are eligible to sit for the national Registration Examination for Dietitians to become a Registered Dietitian (RD).

The Dietetic Internship (DI) at ECU is a competitive, pre-select program. Students who have completed 24 hours of graduate coursework (core courses and nutrition electives) in the M.S. Community Nutrition program are eligible to apply for the DI program. Specific application requirements and materials can be obtained from the Director of the Dietetic Internship program. Application to the DI does not guarantee admission. Students desiring to enroll in Option 2 are encouraged to review application requirements for the DI *before* beginning graduate study.

A student who is enrolled in Option 2, but is not accepted to the DI program, can (1) reapply to the DI in another year or (2) change to Option 1 and complete the Master's Degree.

Core Courses 15 hours
NFA 802, 811, 820; EPY 869, HEA 855.

Nutrition Electives 9 hours
Choose from NFA 705, 707, 709, 717, 800, 801, 804, 816,
825, 841, or other approved course.

Applied Experience

Option 1: NFA 835 6 hours

Option 2: NFA 830 and 831 12 hours

Total Hours: Option 1 30 hours

Option 2 36 hours

DEPARTMENT OF HEALTH PROMOTION AND ADMINISTRATION

Dr. Michael D. Ballard, Chair
www.healthed.eku.edu
 (see link to www.mph.eku.edu)
 880.(859) 622-1142

The Department of Health Promotion and Administration is one of two departments that participate in the Master of Public Health (MPH) program. The department houses the MPH: Community Health Education option. The program is tailored to meet the needs of individuals working in or planning to work in a public health profession. Please see the *Master of Public Health Program* for admission and general degree requirements.

The Department of Health Promotion and Administration offers course work in support of the Master of Arts in Education degree option. The option in School Health Education is designed for certified public school teachers who wish to pursue graduate work in health education. The requirements for degree may be found in the College of Education section of this *Catalog*.

The Department of Health Promotion and Administration provides specialized courses in conjunction with the College of Education leading to the degree Master of Arts in Education with options in School Health and Allied Health Sciences Education. Rank II and Rank I certifications are also supported by departmental curricular offerings.

The Department of Health Promotion and Administration also cooperates with the Department of Government in offering a Community Health Administration option in the Master of Public Administration degree. The purpose of this option is to prepare administrators who have health or health education as a component of their administrative responsibilities. The curriculum for the degree and option may be found in the College of Arts and Sciences section of this *Catalog*.

Program — A minimum of 43 hours of graduate credit are required.

MPH Core Courses 21 hours
 EHS 850, HEA 810, HEA 816, HEA 830, HEA 855, EHS 800
 or HEA 840, POL 847 or EHS 825.

Community Health Education Required Courses 12 hours
 HEA 820, 825, 875, and 898.

Practicum 3 hours
 HEA 899.

Research: Thesis or Non-Thesis 6 hours
 HEA 897
 OR
 HEA 880 and select 3 hours from:
 HEA 791, 792, 793, 794, 795, POL 877, EHS 880.

Capstone 1 hour
 MPH 895.

Total Credit Hours/MPH: CHE Option 43 hours

MASTER OF PUBLIC HEALTH PROGRAM

Dr. Vickie Sanchez, MPH Director
www.mph.eku.edu
 (859) 622-4967

The College of Health Sciences at Eastern Kentucky University offers a Master of Public Health (MPH) degree with options in Community Health Education and Environmental Health Science. The two participating departments include the *Department of Health Promotion and Administration* and the *Department of Environmental Health Science and Clinical Lab Sciences*.

The program is tailored to meet the needs of individuals working in or planning to work in a public health profession. Classes are offered on evenings, Saturdays, and via the Internet.

Mission — The mission of the EKU Master of Public Health Program (MPH) is to provide quality education for preparing competent public health practitioners to enhance the health status and quality of life in local, state, regional and global communities.

Program Goal — To achieve its mission, the MPH Program prepares professionals for broad-based practice in public health, through integration of core competencies in the five areas of knowledge basic to public health (behavioral sciences, biostatistics, epidemiology, environmental health science, and public health administration) with specialized knowledge, competencies, and expertise in a selected public health discipline.

Education Objectives — Students who complete the MPH degree will be able to:

1. Contribute to the public health profession through sound professional public health attitudes, values, concepts and ethical practices.
2. Recognize and facilitate diversity of thought, culture, gender and ethnicity through communication and collaboration.
3. Participate in professional development, scholarship, service and educational activities that contribute to public health.
4. Integrate and apply the crosscutting knowledge and skills (competencies) within five core public health areas of knowledge (behavioral sciences, biostatistics, epidemiology, environmental health science, and public health administration.)
5. Demonstrate advanced knowledge and skills necessary for specialized roles within public health specific to community health education, environmental health science, and public administration.

Admission — Clear admission to the MPH program requires a baccalaureate degree from an accredited institution with a minimum 2.5 grade point average, satisfactory performance on the Graduate Record Exam (GRE) with a combined verbal and quantitative score of 800, or a Miller Analogy Test (MAT) score of 385. A TOEFL score of at least 580 (237 computerized) is also required for international applicants. Satisfying the minimum entrance requirements does not guarantee admission.

To apply:**Submit the following directly to the MPH Program Director:**

- MPH application (see www.mph.eku.edu);
- Statement of personal and professional objectives (1 1/2 to 2 pages); and
- 3 letters of recommendation from employers and/or previous professors.

Send all other application materials directly to the Graduate School office:

- Graduate School application and fee;
- Official transcripts;
- GRE or MAT scores; TOEFL score.

Application Deadlines (all materials must be submitted to the MPH Office no later than):

Fall admission: April 15 - international applicants
July 1 - domestic applicants

Spring admission: October 15 - domestic and international applicants

Core Competency Examination — After satisfactory completion of all required core courses (or the end of the semester of enrollment in such), and no later than the second to last semester, all students are required to pass a written examination that assesses knowledge, skills and attitudes in the core competencies. The items on this exam integrate content from the core areas of study in Environmental Health, Health Behavior, Biostatistics, Public Health Administration, and Epidemiology.

The exam will be offered each fall and spring semester. A committee of faculty with teaching experience in the specific core course will grade the responses on a scale from 0-5 (5 being the highest score). All students will be required to earn a minimum score of 2 or better on each individual question, and score a 3 or better overall (average) on the core exam. Students that fail a question (score of 0 or 1) will be subjected to mitigation efforts (research paper, assigned reading, oral exam, etc. as deemed appropriate). Students that fail the overall exam (average score of less than 3) will be limited to one additional attempt to take the exam.

Culminating Experience (Oral Comprehensive Exam) — As their culminating experience, students in the MPH program are required to complete either a thesis or research project (i.e. EHS 899 and 899C, EHS 893, HEA 897, HEA 880). The experience requires a student to synthesize and integrate advanced knowledge and skills acquired in the program and to apply those to some aspect of public health specific to community health education, or environmental health science. At its completion, students present the culminating experience to an interdisciplinary audience of faculty, students, and practitioners. The culminating experience and presentation will be evaluated against the MPH program goals.

MPH DEGREE PROGRAM**MPH Core Courses 21 hours**

EHS 850, HEA 810, 816, 830, 855, EHS 825 or POL 847, EHS 800 or HEA 840.

MPH Option Required Courses 12-15 hours

Community Health Education (see *Department of Health Promotion and Administration*) 12 hours

Environmental Health Science (see *Department of Environmental Health Science*) 15 hours

Thesis/Non-Thesis 6 hours

Practicum 3 hours

MPH Capstone 1 hour

Total Program Hours 43-46 hours

DEPARTMENT OF OCCUPATIONAL THERAPY

Dr. Colleen Schneck, Chair

www.health.eku.edu/ots

(859) 622-3300

The Department of Occupational Therapy offers the Master of Science degree in Occupational Therapy. This program allows the opportunity for professional and post-professional study. The program is designed to allow students three routes of entry: (Option 1) the individual with a baccalaureate degree in occupational science, (Option 2) the individual with a baccalaureate degree in a discipline other than occupational science or occupational therapy, or (Option 3) the individual with a baccalaureate degree or post-baccalaureate certificate from an accredited occupational therapy program.

The graduates of the Master of Science degree program in Occupational Therapy will demonstrate the ability to:

- (1) Design, provide and analyze evidence-based occupational therapy services that engage people in occupation to support their participation in context.
- (2) Collaborate with others to promote the health of diverse persons and communities.
- (3) Contribute to occupational therapy practice, education and research through the ethical application of reasoning abilities.
- (4) Reflect the profession's values, principles and beliefs in carrying out professional responsibilities.
- (5) Inform, negotiate, advocate and consult with diverse persons, disciplines and communities to facilitate and promote health.

Program Requirements

Master of Science in Occupational Therapy Admission and Progression Criteria

Admission Criteria

1. Bachelors Degree in Occupational Science (Option 1) or other baccalaureate degree (Option 2).
2. C or better in all prerequisite coursework.
3. 3.0 GPA on the most recent 60 hours of coursework (program prerequisites not included in the most recent 60 hours will be added in the calculation of GPA) or a 3.0 overall undergraduate GPA (all hours attempted in the semester in which the 60th hour occurs will be counted) determined by February 1/ program application deadline.
4. GRE combined score (verbal and quantitative reasoning) of at least 750 and a minimum score of 3.0 on the analytical writing score.
5. Three letters of recommendation.

Selection Criteria: Students will be admitted on a competitive basis using a weighted matrix.

OPTION 1

Admission — Specific Criteria: Students with a baccalaureate degree in occupational science should apply to the Graduate School by February 1 of the senior year for admission into the fall session.

Program Option 1

Core Courses 25 hours
OTS 820, 822, 830, 832, 850, 870, 880.

Electives 6 hours
OTS 720, 825, 834, 835, 851, 852, 853, 855, 862, 863, 864, 865, 866, 875, 882, 890.

Research 9 hours
Non-thesis

OTS 871, 896 and an elective.

Comprehensive examination required

OR

Thesis

OTS 871, 898, 899.

Fieldwork 16 hours
OTS 821, 831, 845, 846, 847.

A minimum of 56 semester hours of graduate credit is required.

OPTION 2^a

Admission — Specific Criteria: An undergraduate degree in a discipline other than occupational science or occupational therapy and course work in Human Anatomy, Human Physiology, Statistics and Psychology. Students may be requested to submit a course description of prerequisite course work with the application.

Students who have degrees in fields outside of occupational science and occupational therapy will be admitted to the M.S. program once a year. Applications must be submitted by February 1. Students must successfully complete all required prerequisite course work with a "C" or better prior to beginning the Master of Science degree in Occupational Therapy. Students completing prerequisite course work are not guaranteed admission to the graduate program.

Transition Courses

The following undergraduate courses are completed as undergraduate: BIO 271, 371, OTS 362, 402, 422, 430, 478, and 802. Students will apply to Graduate School during the transition year of course work. If admitted to the MS program, students will complete curriculum presented in Option 1.

Program Option 2

Transition Courses (taken in summer session)
..... 12 hours
OTS 802, 812, 814.

Core Courses 25 hours
OTS 820, 822, 830, 832, 850, 870, 880.

Electives 6 hours
OTS 720, 825, 834, 835, 851, 852, 853, 855, 862, 863, 864, 865, 866, 875, 882, 890.

Research 9 hours

Non-thesis

OTS 871, 896 and an elective.

Comprehensive examination required

OR

Thesis

OTS 871, 898, 899.

Fieldwork 16 hours
OTS 821, 831, 845, 846, 847.

A minimum of 67 semester hours of graduate credit is required.

OPTION 3

Admission — Specific Criteria: An undergraduate degree or a post-baccalaureate certificate from an accredited occupational therapy program. Students with a baccalaureate degree or a certificate in occupational therapy may apply at any time. Certification in occupational therapy is considered equivalent to the core professional courses (OTS 820, 822, 830, 832).

Program Option 3

Core Courses 12 hours
OTS 834, 853, 870, 880.

Electives/Cognates 9 hours
OTS 720, 825, 834, 835, 851, 852, 853, 855, 862, 863, 864, 865, 866, 875, 882, 890.

Cognates may be selected from related areas such as Business, Special Education, Therapeutic Recreation, Education, Nutrition, Child Development, Psychology, Sociology, etc.

Research 9 hours

Non-thesis

OTS 871, 896 and an elective.

Comprehensive examination required

OR

Thesis

OTS 871, 898, 899.

A minimum of 30 semester hours of graduate credit is required.

Required For All Options

Thesis - A thesis is optional in this program. If thesis option is selected, an oral defense of the thesis is required.

Comprehensive Examination - A comprehensive examination will be required of all non-thesis candidates.

The professional course work for Option 1 and 2 is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE), 4720 Montgomery Lane Bethesda, MD 20814, (301) 652-2682. Following successful completion of Option 1 or Option 2, the graduate is eligible to sit for the National Board for Certification in Occupational Therapy (NBCOT) certification examination. For additional information on the examination, contact NBCOT, 800 S. Frederick Avenue, Suite 200, Gaithersburg, MD. 20877-4150, (301) 869-8492.

Professional level graduates must apply for licensure and/or certification prior to practicing in any state. A criminal record (excluding minor traffic violations) may make a person ineligible for

national certification examination and/or licensure or state certification for practice. Students with such a history should contact NBCOT and relevant licensing or certifying bodies prior to enrollment to determine their situation.

For more information regarding the profession, contact the American Occupational Therapy Association (AOTA), 4720 Montgomery Lane, Bethesda, Maryland, 20814, www.aota.org.

Program changes may occur in response to accrediting agencies. Students should contact the department to verify program requirements.

Rehabilitation Sciences Doctoral Program (in collaboration with the University of Kentucky)

The Department of Occupational Therapy provides course work for the major field of study in support of the collaborative program offered through the University of Kentucky. The Doctoral Program in Rehabilitation Sciences is designed to produce academic leaders, researchers and clinical leaders in one of three tracks: pediatrics, aging and adult neurogenic disorders or movement dysfunction. The curriculum will provide the students with general knowledge of the full spectrum of the rehabilitation process as well as in-depth knowledge of one specific area of a discipline, such as Occupational Therapy, Physical Therapy or Speech and Communication. The degree is awarded by the University of Kentucky.

Admission Requirements — The student will apply to the University of Kentucky Graduate School. Students must meet the admission criteria of the Graduate School at the University of Kentucky, possess a Masters Degree and be eligible for a current license to practice in Kentucky.

DEPARTMENT OF RECREATION AND PARK ADMINISTRATION

Dr. Charlie Everett, Chair
www.recreation.uku.edu
(859) 622-1833

The Department of Recreation and Park Administration offers a Master of Science degree in Recreation and Park Administration. Graduates pursue supervisory and management positions in the delivery of recreation, parks, and leisure services.

The Department of Recreation and Park Administration is responsible for program advisement and course prescriptions leading to the Master of Science degree in Recreation and Park Administration.

Full time students may complete the M.S. degree in one year. Graduates may be eligible to apply for the Certified Park and Recreation Professional (CPRP), Provisional Park and Recreation Professional and/or Certified Therapeutic Recreation Specialist certification (CTRS).

MASTER OF SCIENCE Recreation and Park Administration

The Master of Science program provides a generalized study in recreation, parks, and leisure services management. The program prepares students for supervisory and management careers in therapeutic recreation, commercial recreation and tourism, and public and nonprofit recreation. Individuals with backgrounds in biology, business, physical education, sociology, and psychology frequently lead professional careers in recreation, parks, and leisure services.

Admission — Applicants are expected to have an undergraduate grade point average of at least 2.5 overall and a combined score on the Graduate Record Examination (GRE) of at least 700, on the verbal and quantitative section, to receive clear admission to the degree program or the Miller Analogy Test (MAT) score of 30.

An undergraduate major or minor in recreation, parks, or leisure is preferred. REC 350 and REC 460 (or course equivalents) are undergraduate prerequisites for students not holding a BS degree in recreation, parks, or leisure services.

Courses open to graduate students require a minimum understanding of foundations in recreation and park administration, knowledge of facility operation, agency budgeting, and legal issues. Students with limited field experience may be required to complete a graduate practicum course.

Thesis — A thesis is optional in this degree program.

Comprehensive Examination — A comprehensive examination is required.

CURRICULUM FOR THE GENERAL PROGRAM

Recreation Core Requirements 15 hours

- A. Foundation. REC 825 3 hours
- B. Administration. REC 840, 850 6 hours
- C. Research. PHE 800 3 hours
- D. Advanced Study. REC 809 3 hours

Supporting Courses 9 hours

Select from the following courses: REC 711, 712, 716, 730, 790, 815, 870, 871, and 890.

Elective Courses 6 hours

Total Requirements 30 hours

College of Justice and Safety

DR. ALLEN L. AULT, Dean
www.justice.eku.edu
(859) 622-3565

The College of Justice and Safety offers three master's degrees: (1) the Master of Science degree in Correctional/Juvenile Justice Studies (2) the Master of Science degree in Criminal Justice and (3) the Master of Science degree in Safety, Security and Emergency Management.

DEPARTMENT OF CORRECTIONAL AND JUVENILE JUSTICE STUDIES

Chair
Dr. Kevin Minor
(859) 622-1155

Stratton Building, Room 105

MASTER OF SCIENCE Correctional/Juvenile Justice Studies

The Department of Correctional and Juvenile Justice Studies offers the Master of Science degree in Correctional/Juvenile Justice Studies. Graduates of the program are expected to demonstrate advanced-level critical and analytical thinking; to apply principles from multiple academic disciplines to problems in corrections and juvenile justice in an effort to formulate creative solutions; to respect, evaluate, and synthesize information from diverse sources; and to communicate effectively with both client and professional audiences. Further, graduates are required to show competency in the following areas: (1) the historical, theoretical, and legal foundations of the field; (2) the methods of gathering and analyzing information for research purposes; (3) knowledge of the major bases of literature; and (4) the ability to assume positions of responsibility and leadership in correctional and juvenile justice agencies.

Special Program Requirements

Admission — Applicants must (a) meet the requirements of the Graduate School; (b) hold a baccalaureate degree from an accredited institution; (c) have achieved an undergraduate grade point average (GPA) of 3.0 overall or in the last 60 hours of the baccalaureate program; (d) have a combined Graduate Record Examination (GRE) score of at least 1250 under the GRE scoring system in use until October 1, 2002 or a combined verbal and quantitative score of at least 800 and an analytical writing score of at least 3.0 under the scoring system in use after October 1, 2002; and (e) have three

persons qualified to assess the applicant's potential for graduate work submit letters of recommendation directly to the Graduate Coordinator in the Department of Correctional and Juvenile Justice Studies (Stratton 105). Applicants who do not meet these GPA or GRE requirements, but who otherwise demonstrate promise for successful graduate study, may be granted probationary admission, but such applicants must comply with all requirements of the Graduate School regarding probationary admission.

Prerequisites Students lacking undergraduate coursework or practical field experience will be required to take the following undergraduate coursework either prior to or simultaneously with enrollment in the corresponding graduate course(s): COR 311 required for COR 820 and COR 201 required for COR 830, 835, 850, and 856.

Thesis — A six-hour thesis is optional in this program. If the thesis option is chosen, the topic must be approved by the student's thesis committee, and a proposal defense and an oral defense are required.

Comprehensive Examination — Students who do not choose the thesis option must pass a comprehensive examination, with both written and oral components assessed by a comprehensive exam committee. Such students must also complete six additional hours of elective courses.

Program — A minimum of 31 semester hours of graduate credit is required. A maximum of nine hours of approved, outside credit may be transferred to this degree program, but credit may not be transferred for COR 808, 810, and 818. All outside credit must be approved by the Department Graduate Committee.

M.S. Program* Correctional/Juvenile Justice Studies

CIP Code: 43.0102

Core Courses 25 hours
COR 801**, 808, 810, 818, 820, 830, 835, 850, and 856.
Thesis or Additional COR/Approved Electives 6 hours
Total Curriculum Requirements 31 hours

*No more than 6 hours total may be applied to a degree from COR 806, 839, and 897 (singularly or combined).

**Students must enroll in this course during the first semester it is offered after they register for graduate classes in this program.

DEPARTMENT OF CRIMINAL JUSTICE AND POLICE STUDIES

Chair

Dr. Carole Garrison
(859) 622-1978

Stratton Building, Room 467
Graduate Program Coordinator

Dr. Derek Paulsen
(859) 622-1980

MASTER OF SCIENCE Criminal Justice

CIP Code: 43.0103

Criminal justice is viewed as an academic discipline. Objectives of the graduate program are based upon the assumption that social policy, decision-making, and reform in modern society require a broad academic experience, innovative thinking, including theoretical foundations of the discipline, appropriate research methods, and principles applicable to the administration of justice.

A major focus is to demonstrate that problems of both a public and private nature associated with crime and delinquency must be viewed as social problems rather than isolated problems. It is therefore expected that graduates will be:

1. conversant with the theoretical and legal principles implicit in criminal justice;
2. knowledgeable of the essential research contributions in the discipline;
3. capable of research and data analysis appropriate to the discipline; and
4. competent to assume policymaking, research and instructional responsibilities in criminal justice.

Special Program Requirements*

Admission — Students seeking clear admission should hold a baccalaureate degree from an accredited institution of higher learning with a 3.0 grade point average overall or in the last 60 hours of undergraduate course work and a combined score of 1250 on the general section of the Graduate Record Examination. Under the GRE scoring system in use until October 1, 2002 or a combined verbal and quantitative score of at least 800 and an analytical writing score of at least 3.0 under the scoring system in use after October 1, 2002. Probationary admission may be granted to applicants not meeting these conditions but who present additional evidence for successful graduate study. All applicants must submit three letters of recommendation directly to the Criminal Justice Graduate Program Coordinator in the College of Justice and Safety. Students may be required to complete prerequisite course work. Introductory statistics and research methods are prerequisites for CRJ 808 and CRJ 888.

Admission to Candidacy — Refer to the General Academic section of this *Catalog* for complete degree completion requirements.

Program — A minimum of 36 semester hours of graduate credit is required. The following courses are required of all students: Advanced Criminal Justice Studies (CRJ 800), Analysis of Criminal Justice Data (CRJ 808) or Crime and Public Policy (CRJ 875),

Theories of Criminology and Delinquency and Research Methods in Criminal Justice (CRJ 888).

GRADUATE COURSE CREDIT

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart. Credit will not be awarded for both the 700 and 500 level of the same course.

Cross Listed Courses — Some courses are offered under different prefixes with the same course content. Students will not be awarded credit for any course for which they have previously received credit under a cross listed prefix.

CURRICULUM FOR THE GENERAL PROGRAM**

Core Courses 12 hours
CRJ 800, 870, 888 and 808 or 875.
Eight Electives or Six Electives plus Thesis 24 hours
Total Requirements 36 hours

Thesis — A thesis is optional in this program.

Comprehensive Examination — Students in the non-thesis option are required to pass a written comprehensive examination. Students in the thesis option are required to pass an oral comprehensive examination in defense of the thesis.

*Student must also meet the general requirements of the Graduate School.

**Course work for CRJ 897 should be arranged and no more than 9 hours will be applied toward the degree.

DEPARTMENT OF SAFETY, SECURITY & EMERGENCY MANAGEMENT

Chair

Dr. Larry Collins
(859) 622-1009

Stratton Building, Room 250
Graduate Program Coordinator

Dr. Tom Schneid
(859) 622-7723

MASTER OF SCIENCE Safety, Security & Emergency Management

CIP Code: 43.9999.01

The Department of Safety, Security & Emergency Management offers the Master of Science degree in Safety, Security & Emergency Management. The M.S. degree program is designed to provide students with a broad background in loss prevention and safety, plus the option for more in-depth knowledge of at least one area of loss prevention and safety through thesis research. The

program is directed to preparing students for responsible careers in loss prevention and safety. Students are prepared to draw logically sound conclusions, to think creatively, to communicate effectively, and to appreciate the role and responsibilities of the loss prevention and safety administration/manager.

Safety, Security & Emergency Management

The objectives of the graduate Safety, Security & Emergency Management program are:

- (1) To provide a broad based program that affords the depth of education, the specialized skills, and the sense of creativity that will allow the graduate to practice in and contribute to the field of loss prevention and safety.
- (2) To provide an avenue for a highly mobile and marketable career to individuals wishing to pursue graduate education and remain in Kentucky and/or surrounding areas.
- (3) To add to the body of knowledge through scholarly activity, research, and advanced professional training.
- (4) To provide loss prevention and safety practitioners with leadership skills needed for the planning and delivery of loss prevention and safety services at the state, regional, and national levels.

Special Program Requirements*

Admission — Students seeking clear admission should hold a baccalaureate degree from an accredited institution of higher learning with a 3.0 grade point average overall or in the last 60 hours of undergraduate course work and a combined score of 1250 on the general section of the Graduate Record Examination (GRE). Under the GRE scoring system in use until October 1, 2002 OR a minimum GRE score in three categories: Verbal 425, Quantitative 425, Analytical 3.0 or above under the scoring system in use after October 1, 2002; OR Miller Analogies Test (MAT) score of 375 and a 3.0 GPA. All applicants must submit three letters of recommendation directly to the Loss Prevention and Safety Graduate Program Coordinator in the College of Justice and Safety.

Applicants should have academic and/or experiential preparation and background in one of the areas of loss prevention to include: safety, security, fire, and risk management. When deficiencies are deemed to exist applicants will be required to satisfy all designated deficiencies prior to admission to candidacy.

Thesis — The thesis is optional in this program. If the thesis option is chosen the research topic and area of focus must be agreed upon by the student and the student's permanent committee. An oral examination in defense of the thesis is required.

Comprehensive Examination — Students in the non-thesis option are required to pass a comprehensive examination covering various components of the candidate's program.

Distance Learning Option — The M.S. degree program offers classes each semester via distance learning. Please contact the Safety, Security, & Emergency Management Graduate Program Coordinator for schedule and details.

SAFETY, SECURITY, & EMERGENCY MANAGEMENT**

Core Requirements 18 hours
SSE 815, 822, 826, 833, 865, 880.

Support Courses 12 hours
Twelve hours selected from the following:
SSE 827, 828, 829, 839, 841, 845, 890, INS 876, INS 878.

OR

Option in Homeland Security 12 hours
HLS 800, 810, 820, 830.

Option in Fire and Emergency Services 12 hours
SSE 820, 824, 825, 829.

Option in Occupational Safety 12 hours
SSE 828, 832, 834, 845.

Thesis or Electives 6 hours
SSE 898 or electives.

Total Curriculum Requirements 36 hours

*Students must also meet the general requirements of the Graduate School.

**Only nine hours of SSE 839, 841, 897 will count toward the degree. In exceptional cases and with approval from the LPS Graduate Program Coordinator, up to 12 hours from these three courses may be applied toward the degree.

The Master of Science in Safety, Security & Emergency Management (SSEM) which includes the Option in Homeland Security may be completed online. In addition to satisfying Eastern Kentucky University's requirements for admission or provisional admission, admission to an online program requires either that students reside at least 60 miles from campus, or if they reside closer, demonstrate a rationale that is satisfactory to the department for pursuing requirements online. Contact the SSEM Graduate Coordinator for additional details.

Certificates

CERTIFICATE IN HOMELAND SECURITY

Certificate Requirements 12 hours
HLS 800, 810, 820, 830.

Total Curriculum Requirements 12 hours

CERTIFICATE IN FIRE AND EMERGENCY SERVICES

Certificate Requirements 12 hours
SSE 820, 824, 825, 829.

Total Curriculum Requirements 12 hours

CERTIFICATE IN OCCUPATIONAL SAFETY

Certificate Requirements 12 hours
SSE 828, 832, 834, 835.

Total Curriculum Requirements 12 hours

SECTION SIX

Course Descriptions

Course Prefixes

ACC	Accounting
ADM	Apparel Design and Merchandising
AGR	Agriculture
ARH	Art History
ART	Art
BIO	Biology
CAH	Arts and Sciences Interdisciplinary
CCT	Corporate Communication and Technology
CDF	Child and Family Studies
CDS	Communication Disorders and Sciences
CHE	Chemistry
CIS	Computer Information Systems
CMS	Communication Studies
CNM	Arts and Sciences Interdisciplinary
COM	Communication
COR	Correctional and Juvenile Justice Studies
COU	Counseling
CRJ	Criminal Justice
CSC	Computer Science
CTE	Career and Technical Education
DES	Design
EAD	Educational Administration
ECO	Economics
EDC	Educational Core
EDF	Educational Foundations
EGC	Graduate Certification
EHE	Higher Education
EHS	Environmental Health Science
ELE	Elementary Education
EME	Elementary and Middle Grade
EMG	Middle Grade Education
EMS	Elementary, Middle Grade, and Secondary Education
ENG	English
ENW	English Creative Writing
EPY	Educational Psychology
ESE	Secondary Education
FCS	Family and Consumer Sciences
FIN	Finance
FRM	Family Resource Management
GBU	General Business
GEO	Geography
GLY	Geology
HEA	Health Education
HIS	History
INS	Insurance
INT	Industrial Technology
LAS	Paralegal
LIB	Library Science
LPS	Loss Prevention and Safety
MAR	Marine Sciences
MAT	Mathematics
MGT	Management
MKT	Marketing
MUS	Music
NFA	Nutrition, Foods, and Food Administration
NSC	Nursing
OHO	Ornamental Horticulture
OTS	Occupational Therapy
PHE	Physical Education
PHI	Philosophy
PHY	Physics
POL	Political Science
PSY	Psychology
PUB	Public Relations
QMB	Quantitative Methods
REC	Recreation and Park Administration
RST	Real Estate
SED	Special Education
SSE	Safety, Security & Emergency Management
SPA	Spanish
STA	Statistics

TEC	Technology, General
THE	Theatre Arts
TRS	Traffic Safety

Course Numbering

Courses are numbered according to the following plan:

700-899 are for graduate students only

Course Descriptions

The semester hours which may be earned by successful completion of a course are indicated in parentheses immediately following the course title, e.g., (3).

I, II, and A used in the description of a course indicate the course will be offered the fall semester, spring semester, and by announcement, respectively. A course is offered during the indicated semester or by announcement on the assumption there will be adequate enrollment. If a course does not obtain adequate enrollment, it is subject to cancellation. The University reserves the right to cancel any course if the enrollment is not sufficient, to divide a course if the enrollment is too large for efficient instruction, and to change instructors when necessary.

The description of the course format for courses which include a laboratory experience is found at the end of the course description. A course which consists of three hours of classroom lecture and two hours of laboratory per week is described as "3 Lec/2 Lab."

ACC—Accounting
Dr. Oliver Feltus, Interim Chair

ACC 701 International Accounting and Combinations. (3) II. Prerequisite: ACC 302 with a grade of “C-.” Corporate combinations including consolidating balance sheets and income statements, and special problems with consolidations. International topics: standards, foreign exchange transactions and translation of financial statements of foreign subsidiaries.

ACC 721 Fund Accounting. (3) I. Prerequisite: ACC 302 with a minimum grade of “C-.” Advanced study in accounting and fiscal procedures for institutions and for federal, state, county, and municipal governments.

ACC 723 Taxation of Corporations. (3) A. Prerequisite: ACC 322 with a minimum grade of “C-.” Federal income tax report preparation with emphasis on partnership and corporate returns; estate and trusts; gift and estate taxes; special problems in preparation of tax returns.

ACC 725 Forensic Accounting. (3) A. Prerequisites: ACC 301 and 322 each with a grade of “C-” or better. A study of investigative accounting procedures and techniques used in litigation support. Topics to be covered include financial reporting fraud, employee fraud, income reconstruction methods, testifying as an expert witness, evidence management, cybercrime, and business evaluations.

ACC 727 Managerial Cost Accounting. (3) A. Prerequisite: ACC 327 with a minimum grade of “C-.” Advanced problems in costs, budgets, distribution costs, measurements of departmental efficiency, and analysis of cost information for managerial decisions.

ACC 750 Accounting for Non-Profit Organizations. (3) II. General theory of budget implementation and reporting as well as internal control of other significant areas for not-for-profit organizations.

ACC 820 Survey of Accounting. (3) I. Designed for students who have completed a non-business degree and now wish to acquire a background in accounting and/or business.

ACC 850 Managerial Accounting. (3) II. Prerequisite: ACC 201 and ACC 202; or ACC 820 or equivalent each with a minimum grade of “B-.” Focus on managerial accounting concepts, including costing, budgeting, forecasting, planning and control. Emphasis on preparing and using financial statements as well as various managerial reports for decision-making.

ACC 855 Advanced Auditing. (3) A. Prerequisite: ACC 441 with a minimum grade of “C-.” Rules of professional conduct; auditing standards and case studies if AICPA; auditing rules and regulations of SEC; analysis of problem areas in reporting.

ACC 857 Research in Taxes. (3) A. Prerequisite: ACC 322 with a minimum grade of “C-” and instructor approval. An intensive analysis of the Internal Revenue Code. Research and discussion of tax problems involving business and tax planning.

ACC 858 Accounting Theory. (3) A. Prerequisite: strong accounting background. History and theory of accounting as discussed in accounting literature, periodicals, research bulletins, and publications of professional organizations.

ACC 860 Seminar in Accounting. (3) A. Prerequisite: strong accounting background. This course involves directed readings and intensive investigations into controversial areas of accounting. Oral and written reports are required.

ACC 890 Special Problems in Accounting. (1-6) A. May be retaken under different subtopics to a cumulative maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

ADM—Apparel Design and Merchandising
Dr. Diane Leggett, Chair

ADM 750 ADM Topics. _____ (1-3) A. A workshop course designed to offer specialized expertise in numerous areas related to textiles, clothing and fashion. May be retaken to a maximum of six hours provided workshop topics vary.

ADM 810 Socio-Psychological Factors of Apparel. (3) A. Social, cultural, and psychological factors which influence personal satisfaction in selection and use of apparel.

ADM 819 Special Problems in ADM. (1-3) A. Prerequisites: 3.0 GPA and instructor approval. The student selects a problem and works under the supervision of the instructor. May be retaken to a maximum of six hours providing topics vary. Students having received credit for the course at the 500 level may take this course to a maximum of six hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it to a maximum of six hours credit. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

AGR—Agriculture
Dr. Bruce Pratt, Chair

AGR 701 Special Problems in Agriculture. (3) A. A course for graduate students involving independent study and research related to problems of a theoretical and/or practical nature. May be retaken once to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

AGR 770 Advanced Technical Agriculture. _____ (3) A. Advanced study of agriculture with emphasis on updating, understanding and developing competency in recent technology. May be retaken to a maximum of nine hours provided the topic varies.

AGR 777 Workshop in the Conservation of Natural Resources. (3) A. For teachers returning for graduate work. Instruction is given in the areas of soil, water, fish and wildlife, forest conservation, and methods of teaching related units at the elementary and junior high level.

AGR 807 Advanced Technical Study in Agriculture Problems. (1-3) A. Prerequisite: advisor/department chair approval. Independent work, workshop, special topics, research problems, or seminars. May be retaken to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

ARH—Art History
Mr. Herb Goodman, Chair

ARH 794 Italian Renaissance Art. (3) A. Formerly ARH 794. Prerequisite: ARH 391 or departmental approval. In-depth study of selected aspects of the painting, sculpture, and architecture of Italy between 1400 and 1600. The graduate student will be expected to prepare a scholarly paper.

ARH 795 Baroque and Rococo Art. (3) A. Prerequisite: ART 391 or instructor approval. An in-depth study of selected aspects of art and architecture of church and state in Europe during the Age of Absolutism, from the late sixteenth century. The graduate student will be expected to prepare a scholarly paper.

ART—Art
Mr. Herb Goodman, Chair

ART 760 Workshop in Art and Design: _____ (3) A. Intensive study in a specific phase of the visual arts. Current processes, materials, and theoretical foundations will be considered. May be retaken with different topics to a maximum of nine hours.

ART 762 Seminar in Art Criticism. (3) I, II. Prerequisite: ART 390, 391. Study of various topics and problems which relate to the student's understanding and critical awareness of the visual arts.

ART 800* Drawing. (3) A.

ART 810* Painting. (3) A.

ART 820* Sculpture. (3) A.

ART 830* Printmaking. (3) A.

ART 840* Jewelry and Metals. (3) A.

ART 863 Problems in Art and Design. (1-3) A. Prerequisite: Approval of proposal by department. Continuation of study begun in regular departmental courses. May be retaken to a maximum of nine hours.

ART 870* Ceramics. (3) A.

ART 880* Photography. (3) A.

***Courses in the series ART 800 through 840, and ART 870 and 880 share the prerequisite of “six hours of work in the specialization named or consent of the instructor.” Students may register for no more than nine hours of any specialization offered.**

BIO—Biological Sciences
Dr. Robert Frederick, Chair

BIO 710 Biostatistics. (3) I. Prerequisite: MAT 107 or approval. Statistical analysis of biological data. Students participate in the taking and processing of data by the use of well-established statistical techniques. 2Lec/2Lab-Disc.

BIO 711 Experimental Approaches in Molecular Biology. (3) I. Laboratory experience-based course in molecular biology techniques. Subject will be introduced in a lecture setting and practical laboratory training. Techniques will include PCR-based methodologies, immunological approaches, and basic protein and nucleic acid manipulations. 1 Lec/4 Lab.

BIO 714 Evolution. (3) I. Prerequisite: BIO 315 or instructor approval. Processes of organic evolution with emphasis on the theory of natural selection.

BIO 721 Plant Ecology. (3) A. Prerequisites: BIO 131 and BIO 335 or instructor approval. Ecological concepts and principles relevant to plant populations and communities. Emphasis on flora and vegetation of eastern United States with field trip through the Southern Appalachians.

BIO 722 Grasses and Grasslands. (3) I. Prerequisite: instructor approval. Development and composition of grasslands; phylogeny, classification, and identification of grasses. Emphasis on North American grasses and grasslands, with field trips to native and managed grasslands. 1 Lec/4 Lab.

BIO 725 Aquatic and Wetland Plants. (3) A. Prerequisite: BIO 131. Collection, systematics, distribution, ecology, and reproduction of aquatic and wetland vascular plants. 1 Lec/4 Lab.

BIO 727 Immunology. (3) A. Prerequisites: BIO 320, CHE 361 or instructor approval. Characteristics of immune reactions at the molecular level and *in vivo*. Nature and interactions of antigens and antibodies, and allergic phenomena. 2 Lec/3 Lab.

BIO 728 Virology. (3) A. Fundamentals of classification, structure, and pathogenesis of viruses. Host-virus interactions and their applications to medicine and industry. Related areas of immunology, cell culture procedures and applications will be introduced. 2 Lec/3 Lab.

BIO 729 Microbiology in Everyday Life. (3) A. Prerequisite: BIO 100, 102, 121 or departmental approval. Microbes in medicine, agriculture, and industry; emphasis on teaching microbiology in the classroom. Course open to Biology-Teaching or Education majors.

BIO 730 Microbial Physiology and Genetics. (3) **A.** Prerequisites: BIO 315, 320, CHE 361 or instructor approval. A study of microbial genetics, metabolism, nutrition, and the effect of chemical and physical environments upon microorganisms in their habitats, with emphasis upon microbes of economic and industrial importance.

BIO 731 Principles of Molecular Biology. (4) **A.** Prerequisites: BIO 315, CHE 361 and 366 or instructor approval. An in-depth study of the structure, function, and biochemistry of nucleic acids and proteins. Laboratory experiences will involve the manipulation of DNA and protein molecules for the purpose of isolation, purification, and structure modification. 2 Lec/4 Lab.

BIO 732 Conservation Biology. (3) **I.** Prerequisite: BIO 316 or instructor approval. Examination of principles and practices of conserving global biological diversity. Causes, consequences and rates of extinction. Application of philosophical, biological, sociological, and legal principles to the conservation of genes, species and ecosystems.

BIO 736 Dendrology. (3) **I.** Prerequisite: BIO 131 or instructor approval. Woody plant taxonomy with emphasis on field identification of trees and shrubs in summer and winter conditions; habitats and distributions; economic importance; forest regions of North America. 1 Lec/4 Lab.

BIO 742 Freshwater Invertebrates. (3) **A.** Prerequisite: BIO 141 or instructor approval. Collection, systematics, distribution, behavior, ecology, and life histories of freshwater invertebrates. 2 Lec/3 Lab.

BIO 746 Histology. (4) **II.** Microscopic anatomy of normal vertebrate cells, tissues, and organs. 2 Lec/4 Lab.

BIO 747 Comparative Vertebrate Embryology. (4) **II.** Gametogenesis, fertilization, morphogenesis, and organogenesis of the frog, bird, and mammal. Particular emphasis is placed on mammalian development. 2 Lec/4 Lab.

BIO 750 Animal Behavior. (4) **A.** Advanced study of behavior with emphasis on inherited behavioral patterns in relation to the evolution and ecology of animals. 3 Lec/2 Lab.

BIO 753 Mammalogy. (3) **A.** Classification, natural history, field methods, and distribution of mammals. 1 Lec/4 Lab. BIO 316 or 342 recommended prior to enrollment.

BIO 754 Ornithology. (3) **A.** Avian biology with emphasis on field identification of local avifauna, anatomy, physiology, ecology, evolution, migration, economic importance, distribution, and behavioral patterns. Early morning field trips required. 2 Lec/4 Lab.

BIO 755 Behavioral Ecology. (3) **A.** Prerequisite: BIO 316 or instructor approval. How behavior is influenced by natural selection in relation to ecological conditions. Emphasis on quantitative and experimental methods and on integrating theoretical ideas with field and laboratory experience.

BIO 756 Herpetology. (3) **A.** Prerequisite: BIO 141 or instructor approval. Natural history of the amphibians and reptiles including taxonomy, general ecology, behavior, distribution, breeding, and foot habits. 2 Lec/3 Lab.

BIO 757 Ichthyology. (3) **A.** Prerequisite: BIO 141. A phylogenetic examination of morphological, ecological, and behavioral diversifications of fishes in the world, with special attention to the Appalachian fauna. Laboratory devoted to anatomy, identification, and reproductive strategies. 2 Lec/4 Lab.

BIO 758 Freshwater Ecology. (3) **A.** Prerequisite: BIO 316 or instructor approval. Ecology of lakes, streams with reference to physical, chemical, and biological factors. To include a variety of methods and instruments. 2 Lec/3 Lab-Disc.

BIO 761 Fish Biology and Management. (3) **A.** Methods for assessment and analysis of fish populations and aquatic habitats, including age and growth, fecundity, food habits, and yield. Emphasis on economic and ecological importance of management decisions. Optional weekend field trips. 2 Lec/4 Lab.

BIO 784 Upland Wildlife Management. (4) **A.** Ecological principles and management strategies to preserve and enhance forest and grassland wildlife and their habitats.

BIO 785 Wildlife Resource Policy and Administration. (3) **A.** Discussion of state, regional, national, and international policies and agencies which impact management of wildlife resources; with emphasis in North America. BIO 381 recommended prior to enrollment.

BIO 786 Wetland Wildlife Management. (4) **II.** Ecology and management of migratory and resident wetland wildlife populations and their habitats, with a focus on waterfowl. BIO 316 and 381 recommended prior to enrollment. 2 Lec/4 Lab.

BIO 787 Urban Wildlife Management. (3) **A.** The strategies employed to manage urban wildlife and prevent/control animal damage in North America will be discussed.

BIO 798 Special Problems. (1-3) **I, II.** Prerequisite: students must have the independent study proposal form approved by the faculty supervisor and department chair prior to enrollment. Independent research in the biological sciences, under the guidance of a faculty member, which allows students to design a research problem and make experimental observations and conclusions. May be retaken to a maximum of four hours.

BIO 799 Topics in Biological Sciences. (1-6) **A.** Prerequisite: instructor approval. Special topics in the biological sciences of current interest to faculty and students will be presented through lecture, discussion, and report. May be retaken to a maximum of six hours.

BIO 801 Scientific Literature and Writing in Biology. (2) **I.** Directed readings in biology designed to acquaint the student with the major sources of literature, the delimitation of problems, note taking, the making of bibliographies, and the writing of scientific articles.

BIO 802 Selected Topic in Biological Sciences. (1-4) **A.** Advanced study of modern biological principles and the solution of interacting problems. The course content will be designed to meet the needs of students in specialized areas of biology. May be retaken to a maximum of eight hours.

BIO 803 Big Game Ecology. (3) **A.** Prerequisites: BIO 316, BIO 381 or instructor approval. Biology and ecology of the major big game species found in North America with emphasis on current management practices and problems.

BIO 806 Aquatic Entomology. (3) **A.** Prerequisite: BIO 341 or 355 or instructor approval. To develop an understanding of, and an appreciation for, aquatic insects. Techniques on collecting as well as the biology, ecology, and systematics of each of the aquatic insect orders will be considered. 2 Lec/3 Lab.

BIO 816 Biogeography. (3) **A.** Physical and biotic factors influencing the evolution, diversity and distribution of Earth's biota; cogeographic principles, patterns and theories related to the diversity and distributions of organisms.

BIO 831 Molecular Regulation. (3) **A.** Discussion and experimental manipulation of transcriptional/translational regulation in eukaryotes/prokaryotes with reliance on the current literature as reference. Coverage of regulatory mechanisms and experimental approaches. 2 Lec/2 Lab.

BIO 835 Pathogenic Microbiology. (4) **A.** Prerequisite: BIO 320 or instructor approval. Studies in the field of advanced clinical microbiology with emphasis on morphology, cultivation, biochemistry, and serological identification of bacterial diseases; aspects of pathogenesis, epidemiology, and control measures of bacterial and mycotic diseases. 2 Lec/4 Lab.

BIO 839 Applied Learning in Biology. (3-6) **A.** Prerequisite: departmental approval. Work under faculty and field supervisors in a cooperative job experience related to student's academic studies. Credit varies with hours of employment; three to six hours per semester or summer. May be retaken at the discretion of the department or college involved. A minimum of eighty hours of work is required for each academic credit. Credit does not apply toward the M.S. degree requirements.

BIO 839 A-F Cooperative Study: Biology. (3-6) **A.** Prerequisite: departmental approval. Work under faculty and field supervisors in a cooperative job experience related to student's academic studies. Credit varies with hours of employment; three to six hours per semester or summer. May be retaken at the discretion of the department or college involved. A minimum of eighty hours of work is required for each academic credit. Credit does not apply toward the M.S. degree requirements.

BIO 845 Vertebrate Physiological Ecology. (3) **A.** Comparative study of physiological mechanisms of vertebrates in response to changing environmental conditions. Topics emphasized include temperature adaptation, color change, orientation, and biological rhythms. 2 Lec/3 Lab.

BIO 846 Population Ecology. (3) **A.** Theoretical and applied study of size and organization of animal and plant populations and the physical and biological factors affecting spatial and temporal patterns.

BIO 848 Aquatic Ecosystems. (3) **A.** Prerequisite: BIO 558 or 758 or instructor approval. Modern methods for analysis of biological integrity of aquatic ecosystems. To include fieldwork involving various methods, and the calculation and discussion of currently used metrics. 2 Lec/3 Lab.

BIO 849 Field Methods in Ecology. (3) **A.** Field sampling techniques and methods of observation applicable to describing terrestrial plant and animal communities. Field data utilized to develop an environmental impact statement. 6 Lab/Disc.

BIO 850 Dynamics of Ecosystems. (2) **A.** Energy flow, nutrient cycling, and interrelationships among organisms and environments in terrestrial ecosystems; consultation with faculty committee. Required of graduate students in non-thesis option; cannot be used in thesis option.

BIO 881 Independent Study. (1-3) **I, II.** Prerequisite: approval of independent study proposal form by faculty supervisor and department chair prior to enrollment. Advanced research in the biological sciences under the guidance of a faculty member, which allows students to design a research problem and make experimental observations and conclusions. May be retaken to a maximum of four semester hours. Credit will not be given to students enrolled in the M.S. Biology thesis program.

BIO 890 Graduate Seminar. (1) **A.** Prerequisite: BIO 801. Presentation and discussion of selected topics and research in the biological sciences. Required of all graduate students and may be retaken to a maximum of two hours.

BIO 891 Thesis Research. (1-6) **A.** The accomplishment of an independent research project, in consultation with a faculty advisor, for the preparation of a thesis as part of the requirements for the M.S. degree in Biology. May be retaken to a maximum of six hours.

BIO 891C Continuation of Thesis Research. (1-9) **A.** Prerequisite: departmental approval. The continuation of an independent research project, in consultation with a faculty advisor, for the preparation of a thesis as part of the requirements for the M.S. degree in Biology. May be retaken as necessary to complete research thesis. A student must have registered for six hours of BIO 891 before registering for BIO 891C. May not be used to satisfy degree program requirements.

CAH—Arts and Sciences Interdisciplinary
Dr. John Wade, Interim Dean

CAH 715 Topics in Humanities _____.
(1-3) A. An experimental course designed to investigate relevant topics in Arts and Humanities.
CAH 900 Independent Work. (106) A.
 Independent research and/or field work.

CCT—Corporate Communication and Technology
TBA, Chair

CCT 720 Corporate Training. (3) A. This course applies theories of learning and instructional development to office systems, employee education, and skills training. Topics include instructional design; strategy; technology; and the implementation, evaluation, and management of training in organizational environment.

CCT 750 Integrated Corporate Communication. (3) A. Prerequisite: senior or graduate standing. Examines effective integrated communication skills to achieve organizational objectives. Emphasizes analysis, application of communication process, and strategies for managerial decision-making. Examines change process, corporate culture, and negotiation issues. Provides corporate training component.

CCT 760 Office Management. (3) I, II. Function and organization of offices; office layout and equipment; personnel; work simplification and control; technology in the office; planning, organizing, and controlling office services; systems and job analysis.

CCT 770 Web Design for Offices. (3) A. Prerequisite: CCT 250 or CIS 212 or CSC 104. Advanced development of business document design techniques with an emphasis on web design and multi-media resources. Geared for education, small offices or businesses, personal use, and not-for-profit organizations.

CCT 780 Office Technology Seminar. (3) A. Prerequisites: CIS 250 or CSC 104 or CIS 212, and CCT 300 or CCT 201, ninety hours completed. This capstone course requires synthesis and applications of concepts related to current office systems topics.

CCT 850 Strategic Business Communication. (3) A. Effective and appropriate communication through various channels with an awareness of multi-cultural issues. Emphasis on oral and written presentations using cutting-edge technology and business research methodology.

CCT 880 Independent Study in Corporate Communication and Technology. (1-4) A. May be retaken under different subtopics to a cumulative maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

CDF—Child and Family Studies
Dr. Diane Leggett, Chair

CDF 701 Advanced Prenatal and Infant Development. (3) I, II, A. Growth and development from conception to three years. In-depth study of theories and issues related to development during the first three years and before birth. Impact on family, education, and community will be explored.

CDF 738 Research Analysis in Child and Family Studies. (3) I. Prerequisites: CDF 235 or CDF 241 and 244 and six hours in CDF, or departmental approval. Students will acquire the skills required to read and evaluate professional research literature in child and family studies by examining current studies. Students will also compare and contrast the treatment of current issues in their field in both popular and professional writing.

CDF 741 Infant-Toddler Development and Group Care. (3) A. Growth and development from conception to three years. Emphasis on family intervention, appropriate policies and practices for

group care, assessment, disabilities, multicultural and gender issues, and caregiver professional growth.

CDF 744 Early Childhood Development and Program Planning. (3) A. Theory pertinent to early childhood development and learning including constructiveness, socially mediated intelligence, multiple intelligence and creativity. Emphasis on emergent curriculum and teaching strategies reflecting social collaboration such as webbing, project work, and multimedia documentation.

CDF 747 Organization and Administration of Early Childhood Programs. (3) II. Prerequisites: CDF 327 or 247, 343 or 248, and 344, or departmental approval. Review of the theories influencing the definition of goals, philosophies and rationales for establishment of early childhood programs (0-5), study of procedures for organizing early childhood programs, and discussion of the management processes for administering quality early childhood programs.

CDF 750 Child and Family Studies Topics: _____. (1-3) A. Workshops on selected topics in child and family studies. May be retaken to a maximum of six hours provided topics vary. Students having received credit for the course at the 500 level may take this course to a maximum of six hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it to a maximum of six hours credit.

CDF 849 Special Problems in Child Development. (1-3) A. Prerequisite: CDF 548 or 748 or instructor approval. The student chooses a problem and works under the supervision of the instructor. May be taken to a maximum of six hours provided topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

CDS—Communication Disorders and Sciences
Dr. Justin Cooper, Chair

CDS 720 Augmentative and Alternative Communication Systems. (3) I. An overview of various approaches to aided non-oral systems of communication. Various devices and symbol systems will be discussed.

CDS 741 School Services in Communication Disorders. (3) II. Prerequisites: admission to professional education, overall 2.8 GPA, and admission to the CDS program. Organization and management of speech-language therapy services in the schools. (Lec/Lab)

CDS 771 Neural Bases of Communication. (3) I. Prerequisite: admission to the CDS program or instructor approval. A study of neuroanatomic and neurophysiologic bases of communication including developmental issues and neurologic deficits resulting in communication disorders.

CDS 772 Speech and Hearing Science. (3) II. Prerequisite: admission to the CDS program or instructor approval. Study of the physics of sound, acoustic characteristics and processes, perceptual correlates, production of speech, and psychophysical processes of communication. Software applications and instrumentation are also covered.

CDS 861 Communication Disorders in Atypical Populations. (3) A. Prerequisite: admission to communication disorders and sciences program or by departmental permission. An overview of associated speech, language, or hearing problems commonly identified in atypical or special populations that may be encountered by the speech-language pathologist.

CDS 863 Motor Speech Disorders. (3) II. Prerequisites: admission to communication disorders and sciences program or by departmental permission. Study of the neurophysiology, assessment, and treatment of various motor speech disorders, including dysarthria and apraxia.

CDS 867 Advanced Language Disorders. (3) A. Prerequisites: admission to communication disorders and sciences program or by departmental permission. Advanced study of formal and informal assessment and treatment approaches in child language without consideration of etiology. Emphasis on collaboration within the classroom, language and narrative sampling analysis techniques and use of language within the natural context.

CDS 870 Professional Issues in Communication Disorders. (3) A. Prerequisite: admission to communication disorders and sciences program or by departmental permission. Scope of practice, professional Code of Ethics, trends in service delivery, pertinent legislation, legal concerns, and other issues which impact the field of communication disorders will be examined.

CDS 873 Advanced Articulation and Phonology Disorders. (3) I. Prerequisites: admission to communication disorders and sciences program or by departmental permission. Study of the research and principles associated with symptomatology, etiology, diagnosis, and treatment of articulation and phonological disorders. Issues related to accent enhancement and modification, including assessment and intervention are explored.

CDS 874 Graduate Practicum: Speech-Language Pathology. (3) A. Prerequisite: admission to communication disorders and sciences program or by departmental permission. Supervised clinical practice in speech-language pathology. Must be retaken for a total of nine hours for the MA degree.

CDS 875 Adult Neurogenic Language Disorders. (3) II. Prerequisites: admission to the communication disorders and sciences program or by departmental permission. The study of the neurophysiological bases of aphasia classification systems, evaluation procedures, and treatment strategies.

CDS 876 Advanced Voice Disorders. (3) I. Prerequisites: admission to communication disorders and sciences program or by departmental permission. Study of the research and bases of laryngeal phonation deviation, including etiology, diagnosis, and treatment of functional and organic voice disorders; assessment and use of clinical techniques with a variety of voice disorders.

CDS 877 Advanced Fluency Disorders. (3) II. Prerequisites: admission to communication disorders and sciences program or by departmental permission. Critical study of research literature on etiology, theory, assessment and intervention strategies for preschool, school age, and adult fluency disorders.

CDS 878 Diagnosis of Communication Disorders. (3) I. Prerequisite: admission to communication disorders and sciences program or by departmental permission. Diagnosis of language and speech disorders with emphasis on the use of dynamic assessment and comprehensive test batteries to describe the communication skills of children and adults. Profile analysis will be utilized to determine relative strength and weakness.

CDS 879 Dysphagia. (3) II. Prerequisite: admission to communication disorders and sciences program or by departmental permission. An introduction to dysphagia, including the anatomy, physiology, and development of normal swallowing, and evaluation, etiologies, and treatment of dysphagia.

CDS 880 Research Methodology in Communication Disorders. (3) I. Prerequisites: admission to communication disorders and sciences program; SED 341 or 590, CDS 365 and 373; or by departmental permission. Corequisite: CDS 878. Critical examination of research methodology in communication disorders and sciences. Students acquire the fundamental motivation, knowledge, and skills for conducting clinical and basic science research and for reading and critically evaluating research literature.

CDS 885 Cognitive Rehabilitation. (3) A. Prerequisites: admission to communication disorders and sciences program and CDS 571 or 771 or by departmental permission. Study of the neurophysiological, cognitive, neuropsychological, and social/emotional issues associated with traumatic brain injury in children and adults, including principles of linguistic/cognitive assessment and intervention.

CDS 898 Externship in Communication Disorders. (6) I. Formerly SED 898. Prerequisites: CDS 874 (nine credit hours) and completion of graduate core course work in communication disorders and sciences. Supervised 12-week, full-time clinical practice with a variety of communication disorders in selected externship sites.

CDS 899 Research Project/Thesis Option. (3) II. Formerly SED 899. Prerequisite: CDS 880 or instructor approval. Completion of a research project related to a special population that may lead to a thesis and/or to a professional presentation and publishable paper. May be retaken to a maximum of 9 credit hours. Credit not awarded for both SED 899 and CDS 899.

CHE—Chemistry
Dr. Alan Schick, Chair

CHE 701 Chemtopics. _____ (1-3) A. Prerequisite: instructor approval. Topics to be chosen from a current and/or specialized area of chemistry such as environmental chemistry or industrial chemistry, and will vary according to students' needs. May be retaken to a maximum of six hours.

CHE 715 Analysis and Characterization. (4) II. Prerequisites: CHE 362, 367, 471 and 550, or instructor approval. Synthesis, separation and characterization of inorganic and organic compounds and mixtures. Included will be spectroscopic techniques, preparation of derivatives and methods appropriate for handling of air sensitive compounds and those of low thermal stability. 2 Lec/6 Lab.

CHE 725 Instrumental Methods. (4) A. Prerequisites: CHE 325, 362, 367. Methods of spectroscopic analysis; electrochemical methods; chromatographic methods. Emphasis placed on broad, functional approach to instrumental techniques. 2 Lec/6 Lab.

CHE 730 Biochemistry of Macromolecules. (3) A. Prerequisites: CHE 362 and 367. Prerequisite or Corequisite: CHE 470 or 471; or departmental approval. Structure, analysis, and organization of proteins, nucleic acids, and lipids; physical and organic mechanisms of enzyme action; chemistry of membrane action and the immune system.

CHE 731 Metabolic Chemistry. (3) A. Prerequisites: CHE 362 and 367. Prerequisite or Corequisite: CHE 470 or 471; or instructor approval. Chemistry, catabolism, and biosynthesis of carbohydrates, lipids, amino acids, and nucleotides; analysis of nucleic acids, and structure, function, and control of cellular genetic apparatus.

CHE 732 Biochemistry Laboratory. (1) I. Prerequisite or Corequisite: CHE 730 or 731; or departmental approval. Experimental techniques characteristics of biochemical research. Purification and characterization of proteins and nucleic acids; use of computers in modeling biochemistry data. 3 Lab.

CHE 750 Inorganic Chemistry. (3) I. Prerequisite: CHE 362. Modern concepts of atomic nuclei, atomic structure, and classification of elements. Complex ions and coordination compounds. Theories of bonding.

CHE 760 Mechanistic Chemistry. (3) A. Prerequisites: CHE 362 and 367, and CHE 407 or 471. Survey of new reactions and comprehensive study of reaction mechanisms.

CHE 772 Advanced Physical Chemistry. (3) A. Prerequisite: CHE 472 (MAT 353 recommended) or instructor approval. Intermediate and advanced

topics in thermodynamics, kinetics, structure and bonding.

CHE 785 Principles of High Polymers. (3) A. Prerequisites: CHE 362 and 367. Preparation and characterization of high polymers; monomers, condensation and addition polymerization; radical, anionic, and cationic initiation. Emphasis on microstructure of the polymer chain and its effect on macromolecular physical properties. 2 Lec/3 Lab.

Selected Topics in Chemistry. (1-3) A. Prerequisite: instructor approval. Topics chosen from advanced areas of interest and vary according to needs. May be retaken for credit when new topics offered.

CHE 802 Selected Topics in Analytical Chemistry. (1-3) A.

CHE 803 Selected Topics in Biochemistry. (1-3) A.

CHE 805 Selected Topics in Inorganic Chemistry. (1-3) A.

CHE 806 Selected Topics in Organic Chemistry. (1-3) A.

CHE 807 Selected Topics in Physical Chemistry. (1-3) A.

CHE 822 Advanced Analytical Chemistry. (3) A. Prerequisite: CHE 525/725 or instructor approval. Modern practices in chemical analysis. Sampling, sample preparation, spectroscopic and chromatographic methods.

CHE 839 Applied Learning in Chemistry. (3-6) A. Prerequisite: departmental approval. Work under faculty and field supervisors in cooperative placement. Three to six hours per semester or summer. May be retaken at discretion of department or college. Eighty hours work for each credit. Maximum of two credit hours may apply to M.S. degree in Chemistry.

CHE 839 A-F Cooperative Study: Chemistry. (3-6) A. Prerequisite: departmental approval. Work under faculty and field supervisors in cooperative placement. Three to six hours per semester or summer. May be retaken at discretion of department or college. Eighty hours work for each credit. Maximum of two credit hours may apply to M.S. degree in Chemistry.

CHE 845 Chemical Laboratory and Demonstration Techniques. (1-4) A. Prerequisite: six semesters of undergraduate work in chemistry or instructor approval. Techniques of constructing and demonstrating apparatus to illustrate principles of chemistry. Primarily for high school and community college science teachers. 3-12 Lab.

CHE 850 Advanced Inorganic Chemistry. (3) A. Prerequisite: CHE 550/750. Molecular symmetry in inorganic chemistry, mechanisms of inorganic reactions, and catalysis by coordination and organometallic complexes.

CHE 880 Graduate Seminar. (1) II. Presentation of significant developments in chemistry to members of the chemistry faculty and department majors. May be retaken to a maximum of two hours.

CHE 890 Graduate Literature and Project Planning. (1) A. Extensive survey of literature related to a specific research program and planning of that program through consultation with a selected research advisor.

CHE 892 Graduate Project. (3) A. Research of chemical literature and preparation of a detailed written report on a current topic in chemistry. The topic of the paper shall be pre-approved by the student's committee.

CHE 895 Graduate Research. (1-6) A. Laboratory research in one of the major areas of chemistry for application to a thesis. May be retaken to a maximum of six hours.

CHE 895C Continuation of Graduate Research. (1-9) A. Prerequisite: departmental approval. The continuation of research in one of the major areas of chemistry. May be retaken as necessary to complete research. A student must have registered (or be currently registered) for six hours of CHE 895 before registering for CHE 895C. May not be used to satisfy degree program requirements.

CIS—Computer Information Systems
TBA, Chair

CIS 826 Information Systems Applications. (3) A. Computer literacy, management information systems, and computer applications in business using word processing, spreadsheets, presentation and database software tools. Tools are demonstrated using problems in accounting, finance, marketing, management, and production.

CIS 850 Management of Information Systems. (3) II. Prerequisite: CIS 300 or CIS 826 or equivalent with a minimum grade of "B-." Examines existing and emerging information technology within and among organizations. The focal points are infrastructure technologies, the role IT plays in business processes, and the manager's role in developing, acquiring and managing information resources.

CIS 860 Contemporary Topics in Information Technology. (3) A. Prerequisite: CIS 850. Topics include some of the following: office automation, telecommunications, decision support systems, knowledge-based systems, executive information systems and executive support systems. May be retaken to a maximum of six hours if topics are different.

CIS 861 Trends in E-Commerce. (3) A. Introduces students to the theory and practice of doing business over the Internet and World Wide Web. Covers the technologies of electronic commerce software, security, payment systems, business strategies, electronic data exchange, supply chain management, virtual communities, and web portals. Other topics to discuss are: international, legal, ethics and tax issues.

CIS 870 Strategic Information Systems. (3) A. Prerequisite: CIS 850. Strategic information systems (SIS) and technology methods, applications, issues and trends to gain competitive advantage; multinational, social, legal and governmental implications of SIS. Case and project orientation.

CIS 890 Independent Study in Computer Information Systems. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics to a cumulative maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

CMS—Communication Studies
Dr. Maureen Everett, Chair

CMS 805 Independent Studies in Communication Studies. (1-3) A. Individual research and reading on a specific speech communication subject. Regular consultation and final paper required. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

CNM—Arts and Sciences Interdisciplinary
Dr. John Wade, Interim Dean

CNM 799 Ecology for Teachers. (3) A. Prerequisite: BIO 102 or CHE 100 or GLY 102 or PHY 102 or departmental approval. Introduces pre-service teachers to ecology and the environment through an interdisciplinary approach beginning with the physical environment, progressing to whole ecosystems, and onto analyses of environmental issues. Classroom teaching strategies will be modeled.

CNM 800 Environmental Science Issues. (3) A. State, national and global environmental issues will be investigated and evaluated with consideration of actions needed to address the issues.

COM—Mass Communications
Dr. Maureen Everett, Chair

COM 750 Readings in Mass Communications. (3) A. Prerequisites: instructor approval and ninety or more hours. Critical reading of selected books and magazines relating directly or indirectly to mass communications. Features reviews and seminar discussions of readings chosen to reflect student's individual interests.

COR—Correctional/Juvenile Justice Studies
Dr. Kevin Minor, Chair

COR 801 Developing a Thesis and Comprehensive Exam. (1-3) A. This course serves as an introduction to graduate studies in the program and is designed to assist students in preparing for a thesis or comprehensive exam. It furnishes students with essential information regarding expectations, course options, comprehensive exam, and the thesis. Students must enroll in this course during the first semester it is offered after they register for graduate classes in this program.

COR 806 Advanced Workshop. (1-3) A. Prerequisite: departmental approval. Students gain exposure to advanced level professional development activities related to adult corrections and/or juvenile justice. This course may be retaken to a maximum of three hours on different topics.

COR 808 Analysis of Correctional and Juvenile Justice Data. (3) A. Cross listed as CRJ 808. Prerequisites: undergraduate research methods and undergraduate statistics or departmental approval. This course examines techniques for analyzing data in corrections and juvenile justice. Emphasis is placed on analysis and interpretation of data using univariate, bivariate, and multivariate techniques.

COR 810 Understanding Crime, Delinquency, and Correctional Programs. (3) A. This course presents and critiques explanations of crime and delinquency from a multi-disciplinary perspective and examines their use in adult and juvenile correctional programs.

COR 818 Research in Corrections and Juvenile Justice. (3) A. This course will examine strategies and issues relevant to the collection and analysis of corrections and juvenile justice data. Special attention will be devoted to survey methods and program development and evaluation.

COR 820 Juvenile Justice. (3) A. This course presents a critical analysis of juvenile justice operations with particular emphasis placed on history and the role and effectiveness of police, court, and correctional responses to juvenile offenders.

COR 823 Topical Seminar in Corrections/Juvenile Justice. (1-3) A. This is a variable topic seminar meant to provide in-depth, critical analyses of contemporary issues in adult corrections or juvenile justice. The course may be retaken to a maximum of six hours on different topics.

COR 830 Corrections and Society. (3) A. This course analyzes the theoretical foundation of corrections in the context of society and applies that analysis to correctional policy and practice.

COR 835 Administration of Corrections and Juvenile Justice. (3) A. An examination of theoretical bases and contemporary approaches to correctional administration; focus on organization, personnel management and policy foundation; study of social and political setting of correctional administration.

COR 839 Applied Learning in Corrections and Juvenile Justice. (1-3) A. Prerequisites: departmental approval and graduate GPA of at least 3.0. Students work in an agency in corrections, juvenile justice, or related area. Accompanying classroom and coursework components are designed to promote integration of work and academic experiences. A minimum of 80 hours work is required for each hour of academic credit.

COR 839 A-F Cooperative Study: Corrections and Juvenile Justice. (1-3) A. Prerequisites: departmental approval and graduate GPA of at least 3.0. Students work in an agency in corrections, juvenile justice, or related area. Accompanying classroom and coursework components are designed to promote integration of work and academic experiences. A minimum of 80 hours work is required for each hour of academic credit.

COR 850 Correctional and Juvenile Justice Interventions. (3) A. This course provides critical analyses of research and theories guiding effective rehabilitation programs in corrections and juvenile justice. It examines how various factors contribute to criminal behavior and how assessment procedures can improve programs.

COR 856 Law and Ethics in Corrections and Juvenile Justice. (3) A. This course provides advanced analyses of statutory and case law governing adult corrections and juvenile justice in a constitutional, ethical, and moral framework. It explores historical, philosophical, and socio-legal underpinnings of this subject.

COR 897 Independent Study. (1-6) A. Students engage in self-directed learning at the university or in a field setting under graduate faculty supervision. Students must have completed a minimum of 6 hours of COR coursework and have clear admission status to be eligible to register for this course. Additionally, students must have the independent study proposal form approved by faculty supervisor and the graduate director before enrolling.

COR 898 Thesis. (1-6) A. Students develop a thesis under faculty direction. While various combinations of hours per semester are possible, students selecting a thesis option must complete six hours total. Students must confer with the thesis advisor before enrolling.

COU—Counseling
Dr. Connie Callahan, Interim Chair

COU 802 Counseling Psychology. (3) A. Examination of counseling methods and concepts with emphasis on current systems of counseling.

COU 803 Principles and Practices of Mental Health Counseling. (3) I. Prerequisites: COU 813, 840, or instructor approval. Assumptions, roles, programs, and dynamics of mental health counseling are addressed; emphasis is placed on the development and management of mental health services and programs including needs assessments, practices of community intervention, and evaluation.

COU 804 Counseling Diverse Population. (3) I, II. Prerequisites: COU 813, 840, 846. An examination of the application of counseling methods and concepts to non-majority groups. The lifestyle, values, customs and attitudes of non-majority population will be explored.

COU 807 Counseling: _____. (1-3) A. Prerequisite: advisor/departmental chair approval. Workshops, special topics, or seminars. May be retaken under different subtitles.

COU 813 Professional Orientation and Ethics in Counseling. (3) I, II. Prerequisite: admission to the program. An introduction and orientation to the counseling profession. This course will explore the professional roles, organization, training, and credentialing standards of the profession. It will also survey the ethical, legal and professional issues facing counselors.

COU 814 Organization and Administrative Guidance Services. (3) I. Prerequisites: COU 813, 840, 846. Consideration of theory, organization, and personnel practices involved in organizing and administering guidance and counseling programs in the schools.

COU 820 Group Counseling. (3) I, II. Prerequisites: COU 813, 840, 846. Theory and experiences to develop skill in and understanding of group dynamics and effective group behavior.

COU 822 Lifestyle and Career Counseling. (3) I, II. Prerequisites: COU 813, 840, 846, EPY 816. Occupational information in educational and vocational planning; theories of vocational choice; sociology of occupations, and interpretation and utilization of current data pertaining to career fields.

COU 825 Developmental Guidance K-12. (3) A, II. Prerequisites: COU 813, 840, 846. Student will learn how to design and implement a systematic K-12 developmental guidance program based on collaboration, consultation, and prevention as well as develop creative and play therapy approaches to working with children and adolescents.

COU 826 Assessment in Counseling. (3) I. Prerequisites: EPY 816, 839, and COU 855. Consideration of the major theories of assessment. Training in the administration, scoring, and interpretation of selected tests of intelligence and other counseling assessment tools.

COU 827 Individual Assessment of Intelligence. (3) I. Prerequisite: COU 826. Supervised practice in the administration, scoring, and interpretation of the Wechsler Intelligence Scale for Children, Wechsler Adult Intelligence Scale, and the Wechsler Preschool and Primary Scale of Intelligence.

COU 840 Counseling Theory and Practice. (3) I, II. Prerequisite/Corequisite: COU 813. Major theories of counseling. Attention is given to personality structure and individual behavior from which these are derived.

COU 844 Student Personnel Services in Higher Education. (3) I. Prerequisite/Corequisite: COU 813. Study of student personnel services; emphasis upon relationship of these services to the total college program, research, and organization.

COU 845 Internship in Student Personnel Services. (3) II. Prerequisite: EPC 844. Supervised experience for student personnel trainees. Opportunity provided to share responsibilities for all phases of student personnel services. May be retaken to a maximum of six hours.

COU 846 Process and Basic Techniques of Counseling. (3) I, II. Prerequisites/Corequisites: COU 813, 840. Includes a consideration of different schools of thought in current counseling practice; how the counselor works; and effective procedures for counseling.

COU 847 Crisis and Abuse Counseling. (3) A. Prerequisites: COU 813, 840, 846. This is an advanced counseling techniques class focusing on the process and skills in crisis and abuse counseling, as well as legal, ethical, and advocacy issues.

COU 848 Child and Adolescent Counseling. (3) A. Prerequisites: COU 813, 840, 846. This is an advanced counseling techniques class focusing on specific skills and processes for children and adolescents.

COU 849 Addiction to Disorders Counseling. (3) A. Addictive disorders and behaviors ranging from chemical dependency, compulsive gambling, sex addiction to workaholism with a focus on biopsychosocial model, 12-Step and peer therapy, assessments, and interventions for adolescent and adult populations.

COU 850 Family Counseling. (3) A. Prerequisites: COU 813, 840, 846. The history, terms, ethics, principles, and major models of family counseling concepts, techniques and procedures will also be examined, with primary focus on the systems approach.

COU 851 Counseling GLBT Clients. (3) A. Critical examination of gay, lesbian, bisexual, and transgender identity, politics, culture. Focus on counseling competencies for GLBT clients.

COU 852 The Counseling Process in Grief and Loss. (3) A. This is an advanced skills course which will teach the theoretical and skill-based grief and loss intervention and treatment models for working with clients. Students will explore professional issues in the field, including diversity issues related to grief and loss.

COU 853 The Counseling Process in Clinical Sexuality. (3) A. This is an advanced skills course that will teach theoretical and skill-based clinical sexuality intervention and treatment models to work with clients. Students will explore professional issues in the field, including diversity issues related to clinical sexuality.

COU 855 Diagnosis and Treatment in Counseling. (3) A. Prerequisites: COU 813, 840, 846. This course addresses diagnoses and treatment planning in counseling as well as prevention of mental and emotional disorders and dysfunctional behavior. Credit will not be awarded to students who have credit for PSY 841.

COU 856 Practicum in Intellectual Assessment. (3) A, II. Prerequisites: COU 826, 827. Advanced laboratory practice in giving tests and interpreting results. Attention given to intelligence tests, measurements of special aptitudes, inventories for self-appraisal, and measure of personality.

COU 880 Counseling Practicum: Elementary, Secondary, or Mental Health. (3) I, II. Prerequisite: clinical coordinator approval. This course provides students the opportunity to practice skills developed in their program. Students will be supervised by an experienced counselor in a setting appropriate for their program. May be taken under different setting titles up to 9 hours.

COU 881 Internship in Counseling: Elementary, Secondary, or Mental Health. (3) A, I, II. Practice in a counseling setting which allows for the transition from student to professional. School counselors will complete a 600 hour internship, and mental health counselors will complete a 900 hour internship. May be taken for up to 9 credit hours in order to generate the needed 600 or 900 clock hours.

COU 891 ____. (3) A. Critical examination of current issues and development trends in counseling research. May be retaken for a maximum of 9 hours provided topic is different each time.

CRJ—Criminal Justice Dr. Carole Garrison, Chair

CRJ 800 Advanced Criminal Justice Studies. (3) A. An orientation to our field of study as well as an examination of the criminal justice and crime control apparatus. Includes a review of the assumptions, theories, research, and normative orientations that underlie and drive criminal justice thinking and practice.

CRJ 801 History of Criminal Justice. (3) A. An examination of the historical development of the criminal justice system.

CRJ 808 Analysis of Criminal Justice Data. (3) A. An examination of statistics and analysis in criminal justice research. Addresses epistemological presuppositions, statistical assumptions, results, and use of results for decision making.

CRJ 810 Advanced Police Administration. (3) A. An examination of the functions of the police in the criminal justice system; concepts and principles of police organizational structure; concepts and principles of administration and management with an emphasis on the environment, change, conflict, strategy and evolution.

CRJ 813 Analysis of Police Operations. (3) A. An analysis of the strategies and programs utilized in modern police work. Previous research studies and contemporary methods for assessing the effectiveness of police practices are examined.

CRJ 814 Policing and Society. (3) A. Theoretical, historical and comparative perspectives on policing. Critical analysis of the function of police in modern society.

CRJ 815 Policing Global Insecurity. (3) A. Examines "global security threats" (e.g. terrorism, transnational crime, ethnic cleansing) and the State and private sector's role in their construction and control. Late-modern social, political, and cultural

movements are used to make theoretical sense of these phenomena.

CRJ 840 Punishment and Society. (3) I. Beginning with the enlightenment and classical philosophers, students will examine historical and current trends in punishment and social control theory and practice. Addresses social control and punishment in late-modernity.

CRJ 842 Human Rights & Justice. (3) A. Studies human rights movements, international law, and issues such as war on terrorism. Applies a paradigm of global human-rights justice to identify problem exemplars, exemplary problems solutions, and failing as well as failed paradigms.

CRJ 843 Advanced Issues in Criminal Law. (3) A. Advanced study of criminal law and procedure with emphasis upon judicial supervision of law enforcement and review of convictions.

CRJ 844 Innocence Project Externship. (3) A. Corequisite and or Prerequisite: CRJ 843 and departmental approval. The externship is designed to teach students the fundamental components of effective criminal investigation. Students will have the opportunity to apply investigation skills and knowledge offered in the classroom to cases which may contain previously overlooked exculpatory evidence.

CRJ 846 Legal Issues in Criminal Justice Administration. (3) A. Legal research methodology; examination of employment problems including labor-management relations and discrimination; administrative agencies; civil liability, including vicarious liability and related issues.

CRJ 870 Theories of Crime and Criminal Justice. (3) A. Examines the major theoretical perspectives in modern criminology and criminal justice, including classical statements and contemporary developments. Provides an exploration of theoretical arguments, underlying assumptions, philosophy of science commitments, and the socio-historical context in which the theories were developed.

CRJ 871 Crime, Victims, and Criminals. (3) A. Examines the relationship between social inequality, crime, criminals and victims. Addresses the use of power in the construction of crime and the creation of law, as well as differential treatment by gender, race, ethnicity and class.

CRJ 872 The Community Context of Crime. (3) A. Examines crime and synthesizes the body of theory and research examining community level effects on crime/crime control.

CRJ 873 Social Construction of Crime and Crime Control. (3) A. Examines the social construction of crime including consideration of the process by which crime problems are generated.

CRJ 874 Crime, Criminal Justice and Popular Culture. (3) A. Examines the interrelatedness of consumption, production, crime and popular culture. Examination of the social and symbolic construction of crime will be included through analysis of film, literature, music, and academic literature.

CRJ 875 Crime and Public Policy. (3) A. Provides an overview of factors shaping crime policy. The concept of crime, the use of law to promote social control policies, policy responses related to crime control and the efficacy of those policies will be examined. Addresses conceptualizations of the modern state and the use of state power.

CRJ 876 Organizational Crime. (3) A. This course explores empirical research, theories, and concepts related to crime committed within organizational contexts. Particular attention is paid to forms of syndicated crime, corporate crime, governmental corruption, and state crime.

CRJ 877 Postmodernism and Justice. (3) A. An introduction to the ideas of postmodernism as applied to criminal justice. In contrast to the scientific model of inquiry most often used in criminal justice, the use of postmodernism brings to the field of criminal justice new models characterized by relationships, the

importance of symbols, and assumptions that underlie our understanding of the concept of justice.

CRJ 878 Ideology and Criminal Justice. (3) A. An assessment of the interrelatedness of crime and ideology. Includes an examination of the ideological construction of crime and crime control.

CRJ 879 Vice and Criminal Justice. (3) A. A historical, analytic overview of America's response to vice. Particular topics will be chosen from the major vices in American society: prostitution, gambling, drugs and alcohol, as they relate to this country's relationship between morality and the criminal law.

CRJ 888 Research Methods in Criminal Justice. (3) A. Prerequisites: undergraduate research methods and undergraduate statistics. Study of the philosophical foundations, design, and processes of criminal justice and criminological research: critical critique of current research issues in criminal justice.

CRJ 889 Qualitative Research Methods. (3) A. A survey of qualitative research strategies and their epistemological presuppositions.

CRJ 890 Topical Seminar in Criminal Justice. (1-3) A. May be retaken to a maximum of nine hours on different topics.

CRJ 897 Independent Study in Criminal Justice. (1-6) A. Individual investigations in criminal justice. Under the supervision of a faculty advisor. Student must have the independent study proposal form approved by faculty supervisor and the criminal justice graduate program coordinator in the College of Justice and Safety prior to enrollment. May be retaken up to a maximum of nine hours.

CRJ 898 Thesis I. (3) A. This course orients students toward the production of a proposal suitable for a thesis.

CRJ 899 Thesis II. (3) A. Entails an oral presentation and defense of thesis.

CSC—Computer Science Dr. Ka Wing-Wong, Acting Chair

CSC 707 Seminar in Computer Science: ____. (1-3) A. Prerequisite: departmental approval. Topics vary with offering. May be retaken with advisor approval, provided the topics are different. Credit towards degree requirements will depend on the course content.

CSC 730 Concepts of Programming Systems. (3) A. Prerequisite: admission to the master's degree program in computer science, the master's degree program in math (computer science option) or departmental approval. The top-down design of algorithms, structured programming, control structures, subprograms, files and lists. Programs will be written in a high level language. Credit does not apply toward the M.S. degree in Mathematical Sciences. Credit will not be awarded to students who have a six hour sequence of the programming language taught in this course.

CSC 735 Discrete Structures. (3) A. Prerequisite: MAT 107 or departmental approval. Corequisite: CSC 730. Logic, sets, functions, Boolean algebra, probability and their applications, number theory, recursion, math induction, proofs with application of these topics to computer science. Credit does not apply toward the M.S. degree in Mathematical Sciences.

CSC 740 Integrated DB Applications. (3) A. Prerequisite: CSC 730 or departmental approval. Techniques and tools for creating an integrated database application. Topics include architecture of a client/server database; creation of named program units stored in the database and in the workstation file system, developer utilities, and domain integrity.

CSC 745 Theory of Database Systems. (3) A. Prerequisite: CSC 730, CSC 735 or departmental approval. Models and principles of information systems. Database languages. The logical and physical design, and the implementation and use, of database management systems.

CSC 746 Artificial Intelligence. (3) A. Prerequisite: CSC 730, CSC 735 or departmental approval. The use of programming languages to model concepts selected from artificial intelligence. The application of heuristics to problem solving. Perception and pattern recognition.

CSC 750 Graphics Programming. (3) A. Prerequisite: CSC 730, CSC 735 or departmental approval. Graphic standards. Programming for storage, modification and display of graphics data structures/bases. Realistic representation and transformation of geometric objects emphasizing interactive color raster displays.

CSC 812 Microcomputer Architecture and Software. (3) A. Prerequisite: CSC 730 or departmental approval. Topics suitable for a microcomputer laboratory systems manager including IBM PC architecture and assembly language, local area networks, MS DOS, copyright law, viruses.

CSC 815 Computer Administration and Security. (3) A. Prerequisite: admission to the master's degree program in computer science, the master's degree program in math (computer science option) or departmental approval. Operating system concepts, installation and setup. System administration, managing system services, program security, viruses and worms, encryption, information security, security policies, legal and ethical issues.

CSC 825 Network Applications and Security. (3) A. Prerequisites: CSC 730 and CSC 815. Local Area Networks, TCP/IP, Internet Protocols, Client/Server applications. Dynamic web pages, Internet security, firewalls, virtual private networks, network attacks, Web and E-commerce security, wireless networking and security.

CSC 831 Data Structures and Algorithms I. (3) A. Prerequisites: CSC 730, CSC 735 or departmental approval. Analysis of algorithms, data structures, files, searching, and sorting.

CSC 833 Data Structures and Algorithms II. (3) A. Prerequisite: CSC 831. Pattern matching, graph theory algorithms, computational complexity, and cryptography.

CSC 834 Software Engineering and Project Management I. (3) A. Prerequisite: admission to the master's degree program in computer science, the master's degree program in math (computer science option) or departmental approval. Planning, organizing, monitoring, and controlling the implementation of a software project.

CSC 835 Software Engineering and Project Management II. (3) A. Prerequisite: CSC 834. A survey of current issues in software engineering, software testing, metrics, quality assurance, software reuse, and re-engineering.

CSC 839 Applied Learning in Computer Science. (1-3) A. Prerequisite: departmental approval. May be retaken with approval to a maximum of three credits. Employment with faculty and field supervision in an area related to the student's academic interests. A minimum of eighty hours of employment is required for each academic credit. Credit does not apply toward the M.S. degree requirements.

CSC 839 A-F Cooperative Study: Computer Science. (1-3) A. Prerequisite: departmental approval. May be retaken with approval to a maximum of three credits. Employment with faculty and field supervision in an area related to the student's academic interests. A minimum of eighty hours of employment is required for each academic credit. Credit does not apply toward the M.S. degree requirements.

CSC 842 Parallel Algorithms. (3) A. Prerequisite: CSC 831. The design and analysis of parallel algorithms. Application to merging, sorting, combinatorics and numerical algorithms.

CSC 860 System Programming and Administration. (3) A. Prerequisite: CSC 730. Operating system concepts, concurrent programming, scheduling, security, recovery, methods and languages

for operating system management. Layering protocols for computer networks, inter-process communications, TCP/IP Internet protocols, Web programming, and Web server management. Credit does not apply toward the M.S. degree in Mathematical Sciences.

CSC 880 Seminar in: _____. (1-3) A. Prerequisite: departmental approval. Advanced topics in computer science. May be retaken to a maximum of six hours provided the topics are different.

CSC 890 Independent Study in: _____. (1-3) A. Prerequisite: departmental approval. Independent study on a problem chosen by the student and instructor. Student must have the independent study form and course syllabus approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of nine hours, provided that the topics are different.

CSC 895 Applied Computing Project in: _____. (3-6) A. Prerequisite: departmental approval. An individually developed project related to the solution of a typical problem in an applied computing environment. The result is to be presented in open forum. Credit does not apply towards the M.S. degree in Mathematical Sciences.

CTE—Career and Technical Education **Dr. William E. Davis, Chair**

CTE 800 Occupational Training Materials. (3) A. Instructional materials designed for the adult learner to include: the preparation and application of individualized learning packets; the identification and application of instructional computer software; the development and application of video instructional programs; organization and application of instructional sequences.

CTE 801 Occupational Training Methods. (3) A. An examination and development of training methods in occupational programs. Content will include an analysis of learning student and occupational needs, objectives, syllabi and lesson preparation and an overview of teaching methods.

CTE 802 Occupational Training Practicum. (6) A. A course designed to allow the trainer the opportunity to provide instruction to trainees in a real life setting.

CTE 861 Supervision in Technical Education. (3) A. Principles, objectives, methods, techniques, and practices of supervision; selection and organization of instructional materials; planning and equipping facilities; and professional and in-service education as they relate to supervision of technical, vocational, and general industrial education programs.

CTE 862 Philosophy of the Career and Technical Education. (3) II. Background, purpose, history, and philosophies of career and technical education; relationship to general education; effects of legislation for career and technical education.

CTE 863 Organization and Administration of Career and Technical Education. (3) A. Organization of career and technical education on the local, state, and national level; federal legislation in technical education; federal state relationships; types of technical education programs and schools.

CTE 864 Technical Education Facility Planning. (3) A. Principles and practices underlying the planning and designing of laboratories for technical education. Students are required to design a multi-laboratory facility which complies with existing safety and health laws.

CTE 865 Evaluation in Technical Education. (3) A. Strategies and methods for evaluation in technical education; identification and analysis of context, input, process, and outcomes; preparations, use and analysis of measuring instruments.

CTE 888 Occupational Information. (3) A. Occupational information associated with careers to include: types of work performed, qualifications and preparation required, the type of organizations where

employment is available, work conditions, annual earnings, and employment outlook.

DES—Design **Mr. Herb Goodman, Chair**

DES 717 Interior Design Study Tour II. (1-3) A. Prerequisite: departmental approval. Tour of interior design resources, wholesale, and retail showrooms. Study in museums, libraries, and interior design centers when possible. Special study projects. May be retaken to a maximum of six hours providing topics vary. Students having received credit for the course at the 500 level may take this course to a maximum of six hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it to a maximum of six hours.

DES 725 The Decorative Arts. (3) A. Furniture and accessories of the 18th, 19th, and 20th centuries with emphasis upon the influence of major designers and their interpreters, their stylistic characteristics and technical habituations.

DES 821 Analytical Furniture Design. (3) A. Prerequisite: TEC 331 or departmental approval. Analysis of furniture design in terms of integration of function and style with structure; coordination of furniture style with interior architectural expression. Design and research of components will result in scaled models and a complete set of working drawings.

EAD—Educational Administration **Dr. Connie Callahan, Interim Chair**

EAD 801 Introduction to School Leadership and Administration. (3) I, II. The study of modern administrative theories, practices, and techniques in school leadership and administrative responsibilities. Emphasis will be upon facilitating leadership to create an organizational climate supportive of excellence in teaching and learning.

EAD 802 School Buildings and Grounds. (3) I. Emphasis on the cooperative planning of school buildings which fit the school program as identified by educational specifications. Equipping, furnishing, and maintaining buildings are studied.

EAD 804 The Middle School Principal. (3) I, II. A study of the organization and management of the middle school, and the nature and needs of middle school children.

EAD 806 The Elementary School Principal. (3) I, II. Prerequisite: EAD 801. Organization and management of the elementary school. Study of the various duties, demands, and responsibilities of the elementary school principal in providing professional and educational leadership.

EAD 807 Educational Administration and Supervision. (1-3) A. Prerequisite: advisor/departmental approval. Workshops, special topics, or seminars. May be retaken under different subtitles.

EAD 808 Administration of Pupil Personnel Services. (3) II. Prerequisite: instructor approval. Administrative problems relating to child accounting. Major areas emphasized will be attendance reports and records, school census, and social and economic factors influencing school attendance.

EAD 809 The Secondary School Principal. (3) I, II. Prerequisite: EAD 801. Organization and management of the secondary school principal in providing professional and educational leadership. Study of various duties, demands, and responsibilities of the secondary school.

EAD 810 The Educational Leadership Practicum. (3) I, II. Analysis of the educational leader in practice. Sixty hours of field experiences inclusive of primary through grade 12, supported with knowledge and skill development symposiums, lectures, and assessments.

EAD 821 Practicum in Administration and Supervision. (3) I, II. Prerequisite: professional certificate in administration and supervision. Field experiences with emphasis on organization and administration of schools. Seminars/workshops will be attended to analyze problems and experiences of the field activities.

EAD 824 Technology and Leadership Practices for Program Improvement. (3) I, II. The study of assessment, improvement, and application of computer technology and effective leadership practices in education. The focus of the course will be upon the use of technology and knowledge of "best" practices for educational improvements.

EAD 827 Finance and Support Services in Schools. (3) I, II. Study of financing and support services within individual schools in Kentucky and the United States. Special emphasis will be placed upon site-based decision-making concepts as they relate to finance and support services.

EAD 828 School Law and Ethics in School Leadership. (3) I, II. Legal principles and interpretations of constitutional and statutory laws. Judicial decisions and school policies based on those are emphasized. Special attention is given to the site-based decision making process at the school level.

EAD 831 Leadership for School Program Collaboration. (3) A, I, II. The study of the issues and opportunities that surround educational leaders, professional staff, support staff, students, and communities, as they relate to collaborative efforts regarding quality and equity in development of world class schools.

EAD 834 Leadership for Human Resources Development. (3) I, II. Human resources development practices including functions of school supervision. Course emphasizes the development of knowledge and skills needed to provide essential and effective personnel leadership and management services in an educational organization.

EAD 839 The School Superintendency. (3) A. The role of the school district superintendent is explored and analyzed with reference to job responsibilities and organizational structure. Knowledge, skills, and dispositions necessary to serve successfully in the position are also examined.

EAD 846 Leadership for School Community Relations. (3) I, II. Study of issues and responsibilities relating to the establishment and administration of a school community relations program at the school district and school building levels.

EAD 849 School Systems Administration. (3) A. Examination of school system operations including financial management, the administration of auxiliary services, human resources management, the management of federal and state programs, facilities planning and management, and the management of curriculum and instructional support.

EAD 859 Strategic Planning in Education. (3) A. An examination of planning processes used by leaders to direct and focus educational change and improvement. Includes strategic planning approaches designed to address the goals of an organization.

EAD 869 Decision-Making and Action Research in Education. (3) I, II. Study of action research and decision-making as they apply to problems encountered in the school principalship and supervision.

EAD 879 The Superintendency Practicum. (3) A. Analysis of the school district superintendent's role in practice with emphasis on changes in society and schools. Students will participate in a variety of experiences that involve interacting with practicing school administrators, especially superintendents.

EAD 888 Advanced Seminar in Administration and Supervision. (3) I, II. A study of the skills and techniques necessary for developing sound personnel policy and practice, and for developing an effective school/community relations program.

EAD 897 Independent Study. (1-3) A. Designed for advanced graduate students who desire to investigate special problems relating to educational administration and/or supervision. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

EAD 898 Project Development. (3) A. Prerequisites: admission to Ed.S. program and EPY 869 or equivalent. Research and investigation in the area of specialization. Examination of appropriate design models. Development of acceptable project proposal.

EAD 899 Specialist Project. (3) A. Prerequisites: EPY 895 and EAD 898. Guided completion of a scholarly project appropriate to the student's field of specialization.

ECO—Economics Dr. Fred Ruppel, Acting Chair

ECO 760 Special Problems in Economics. (1-4) A. Prerequisite: advisor/departamental approval. Independent work, special workshop, special topics, or seminar. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

ECO 790 Regional Economics. (3) A. Prerequisite: three hours economics. Analysis of patterns of regional growth and development. Use of economic models for regional forecasting and policy evaluation; the problems of marginal areas in developed economies.

ECO 807 Economics _____. (1-3) A. Prerequisite: advisor/departamental approval. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles to a cumulative maximum of nine hours.

ECO 810 Economics for Teachers. (3) A. A course designed to enhance teachers' understanding of economics. Study of microeconomic and macroeconomic principles; application to policy issues; introduction to economic literacy of students in schools.

ECO 848 Statistical Methods in Business and Economics. (3) A. Prerequisite: ECO 220 or equivalent or consent of instructor. Application of statistical analysis in business and economics; probability, sampling distributions, estimation and hypothesis testing, regression, analysis of variance, chi-square analysis, and time series. Credit will not be awarded to students who have credit for QMB 850.

ECO 850 Managerial Economics. (3) II. Prerequisites: ECO 230 and 231 or ECO 822. Economic concepts directly relevant to decision making, including demand, forecasting, cost analysis, production theory, and pricing under competitive and imperfect market conditions.

ECO 854 Advanced Statistical Applications. (3) A. Prerequisite: ECO 848 or equivalent. Develops business and economic applications emphasizing the general linear model. Includes statistical inference, regression models, non-parametrics, and analysis of variance. Emphasis upon description and prediction of business and economic phenomena. Credit will not be awarded to students who have credit for EPY 843 or QMB 300 or STA 500 or STA 700 or ECO 320 or PSY 301 or STA 270.

ECO 855 Contemporary Economic Issues: _____. (1-6) A. Prerequisite: ECO 850 or equivalent. Application of economic analysis to such issues as international trade, health care, education, environmental policy, monetary and fiscal policy, and income distribution. May be retaken to a maximum of six hours if topics are different.

ECO 860 Independent Study in Economics. (1-6) A. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken under different subtopics to a cumulative maximum of six hours.

EDC—Educational Core Dr. Michael Martin, Chair

EDC 810 K12 Ed/Tech: Critical Issues. (3) Online. Introduction to research about integration of technology into K-12 school systems. Students will also investigate current and future technology advancements in hardware, software, networking, support, and training. Basic issues relating to legal and ethical issues relative to technology will also be introduced.

EDC 811 K12 Ed/Tech: Multimedia Design. (3) Online. Corequisite: EDC 810. Introduction to multimedia-authoring approaches and research in electronic formats. Students will create web-based instructional courseware. All students will produce and publish a classroom, school, or other education related website.

EDC 812 K12 Ed/Tech: Online Learning. (3) Online. Corequisite: EDC 810. Understand and apply principles and best practices in online learning as a medium for adding online activities in the K-12 classrooms. Students will evaluate open source software and develop an online course or unit of study using a selected open source system.

EDC 813 K12 Ed/Tech: Capstone. (3) Online. Prerequisites: EDC 810, 811, and 812. Students will synthesize and integrate theories and practices learned from the three previous courses in the program and apply them toward the development of a culminating educational technology project appropriate to the K-12 environment.

EDF—Educational Foundations Dr. Michael A. Martin, Chair

EDF 807 Educational Studies: _____. (1-3) A. Prerequisite: advisor/departamental chair approval. Independent work, workshop, special topics, or seminars. May be retaken under different subtitles.

EDF 832 History of Education in the United States. (3) A. Rise and development of public education in the United States. Sociological, psychological, and scientific movements in education; education reorganization; brief study of the development of public education in Kentucky.

EDF 835 Critical Thinking in the Educational Process. (3) A. A study of the process of critical thinking in education. Exploration of techniques and materials for teaching the art of reasoning, defining problems, and analyzing and evaluating information.

EDF 836 Philosophy of Education. (3) A. Meaning and scope of philosophy in education; contrasting philosophies and conceptions of education; evaluation and interpretation of present-day issues and problems in education.

EDF 837 Comparative Education. (3) A. Study of the development of educational thought and practice in selected nations of Europe, Asia, Africa, and South America. Emphasis will be placed on intellectual, historical, and sociological factors.

EDF 850 Educational Sociology. (3) A. Investigation of the social forces and institutions influencing education. A study of cultural change, social control, social stratification, ethnic patterns, and religion and their effects on the school.

EDF 855 Foundations of Multicultural Education. (3) A. Examination of the education implications of cultural pluralism in America and selected societies of the world.

EDL—Educational Leadership Dr. Robert Biggin, Acting Chair

EDL 800 Field Experience for Specialists in Education. (3) A. Minimum of sixty hours of field experiences relevant to the student's planned program of study, supported by skill development through synopsis, tutorials, lectures, and assessments. May be retaken to a maximum of six hours.

EDL 810 Introduction to Quantitative Research Methods. (3) A. Introduction to the use of quantitative research methods in education. Topics include measures of central tendency, measures of variability, correlation, regression, testing statistical hypotheses, and research design.

EDL 811 Introduction to Qualitative Research Methods. (3) A. Introduction to qualitative data collection and analysis in educational research. Review of origins, theory, and design of method; issues of validity, reliability, and human subject ethics.

EDL 820 Cultural and Contextual Foundations of Leadership. (3) A. Investigation of cultural and social influences on the development of leadership in educational settings. Emphasis is placed on the application of socio-cultural concepts to leadership issues and problems in educational settings.

EDL 821 Moral and Ethical Dimensions of Leadership. (3) A. Examination of the moral dimensions of the process and content of leadership from theoretical and practical perspectives. Emphasis is on the application of ethical thinking and concepts to leadership issues and problems in educational settings.

EDL 822 Social and Political Dimensions of Leadership. (3) A. Examination of social and political dimensions of the process and content of leadership from theoretical and practical perspectives. Emphasis is on the application of relevant theoretical constructs to leadership issues and problems in educational settings.

EDL 823 Assessment for Educational Leaders. (3) A. Study and application of appropriate and effective uses of different types of assessment data in a variety of educational settings to guide leadership practice.

EDL 899 Thesis for Specialists in Education. (3) A. Prerequisite: departmental approval. Completion and defense of a research thesis in educational leadership, policy studies, or a related field. May be retaken to a maximum of six hours.

EGC—Graduate Certification
Dr. Michael A. Martin, Chair

EGC 820 Professional Studies I: Teachers, School, and Society. (3) A. Prerequisite: criteria for admission to the MAT program. An introduction to roles and responsibilities of teachers in standards-based schools, school organization, and relationship of school and society. Twenty field/clinical hours.

EGC 826 Graduate Practicum in Elementary Education. (8) I. Prerequisites: EGC 820, 830, MAT Core I-IV, admission to student teaching. Corequisite: EGC 827. Elementary Master's of Arts in Teaching Practicum. Observation, participation, and responsibility for classroom teaching including related professional activities.

EGC 827 Elementary Master of Arts in Teaching Seminar. (1) I. Prerequisites: admission to graduate practicum, EGC 820 and 830. Corequisite: EGC 826. Seminar with emphasis on questions and problems encountered in teaching including classroom management, state and national curriculum trends, and legal issues. Minimum sixteen clinical hours.

EGC 829 Master of Arts in Teaching Capstone Seminar. (3) I. Prerequisites: EGC 820 and 830, MAT Core I-III. Mediated presentation of action research project completed in Core III, completion and assessment of graduate portfolio, plan for continued professional growth based on experienced teacher standards.

EGC 830 Professional Studies II: Learner, Teachers, and Action Research. (3) A. Prerequisite: criteria for admission to MAT program. Corequisite: EGC 820. Focus on theories and principles of human development and action research. Twenty field/clinical hours.

EGC 835 Content Methods and Curriculum for Middle Grades. (3) I. Prerequisites: admission to MAT in Middle Grade Education and Teacher Education; completion of EGC 820, 830. Examination of curriculum, responsibilities of teachers, appropriate methods and instructional materials for middle grades.

EGC 836 Middle Grades Practicum in Middle Grade Education. (4 or 8) II. Prerequisites: admission to student teaching. Observation, participation, responsible classroom teaching including related professional activities. MAT candidates teaching under temporary provisional certification take this course for 4 hours in spring semester and 4 hours in fall semester. Other MAT candidates take this course for 8 hours during student teaching semester.

EGC 837 Middle Grades Master of Arts in Teaching Seminar. (1) II. Prerequisite: admission to student teaching. Corequisite: EGC 836. Emphasis on questions and problems encountered in middle grades teaching including classroom management, state and national curriculum trends, and implementation and evaluation of instruction.

EGC 839 Capstone Seminar in Middle Grade Education. (3) A. Prerequisites: EGC 836 and 837. Mediated presentation of action research project completed in Core III, completion and assessment of graduate portfolio, plan for continued professional growth based on Experienced Teacher Standards.

EGC 845 Teaching in the Secondary/P-12 School. (3) A. Prerequisite: admission to candidacy in the MAT program. Current methods for standards based teaching and assessment of schools. Ninety-six field/clinical hours required.

EGC 846 Graduate Practicum in the Secondary/P-12 School. (4 or 8) A. Prerequisites: admission to student teaching. Observation, participation, responsible classroom teaching including related professional activities. MAT candidates teaching under temporary provisional certification take this course for 4 hours in spring semester and 4 hours in fall semester. Other MAT candidates take this course for 8 hours during student teaching semester.

EGC 847 Secondary/P-12 M.A.T. Seminar (1) A. Prerequisite: admission to graduate practicum. Corequisite: EGC 846. Emphasis on questions and problems encountered in secondary/P-12 teaching including classroom management, state and national trends, and legal issues. Minimum sixteen field/clinical hours.

EGC 889 Master of Arts in Teaching Capstone Seminar. (3) A. Prerequisites: EGC 846 and 847. Multi-media presentation of action research project completed in Core III, completion and assessment of graduate portfolio, plan for continued professional growth based on Experienced Teacher Standards.

EHE—Higher Education
Dr. Michael A. Martin, Chair

EHE 807 Problems in Higher Education. (1-3) A. Prerequisite: advisor/departmental chair approval. Independent work, special workshops, selected topics, or seminar. May be retaken under different subtitles to a maximum of six hours.

EHS—Environmental Health Science
Dr. Donald Calitri, Acting Chair

EHS 800 Environmental Health Research Process. (3) A. Cross listed with PHE 800. Provides the student with an in-depth exploration of the public health/environmental health paradigm using instruction and hands on experience in the application of quantitative and qualitative analysis in the public and environmental health arena. Credit will not be awarded to students who have credit for PHE 800.

EHS 825 Environmental Health Planning. (3) A. The study of the planning tools required for the administration and implementation of environmental health programs.

EHS 839 Applied Learning in Environmental Health. (1-6) A. Cross listed with EHS 863. Supervised and directed field experience at official agencies at any level of government (local, state or national) or with a private industry. The EHS field practice course administrator must approve all field-training sites before selection or assignment. Credit will not be awarded to students who have credit for EHS 863.

EHS 840 Industrial Hygiene Principles. (3) A. A study of the impact of the work place on worker's health and the control of causative factors of disease.

EHS 841 Essentials of Industrial Hygiene. (3) A. Identify primary sources of potential chemical, physical and biological agents, identify techniques for assessing the risk of worker exposures and understand health impacts of occupational exposures to workers. (KYU and WEB course)

EHS 845 Environmental Health Standards/Compliance. (3) A. The study of international and national environmental health standards, rules and regulations, application interpretations, and the statutes upon which they are based.

EHS 850 Introduction to Environmental Health Science. (3) A. Study of the effects of the environment on personal and public health related to water and waste water treatment, air pollution, food hygiene, disease vectors, waste disposal, radiation, noise, institutions, etc. as they link to chronic and communicable diseases.

EHS 855 Emergency Sanitation/Shelter/Environments. (3) A. This course will provide students with environmental health principles required to protect the environmental health of a community in times of emergency/disaster.

EHS 860 Air Quality and Health. (3) A. A study of health impacts of air pollution from both outdoor and indoor sources. The course will also provide information about methods of reduction, control, and elimination of air pollution.

EHS 863 Field Experience in Environmental Health. (1-6) A. Cross listed with EHS 839. Supervised and directed field experience at official agencies at any level of government (state, local or national) or with private industry. The course administrator must approve all field-training sites before selection or assignment. Credit will not be awarded to students who have credit for EHS 839.

EHS 865 Environmental Toxicology. (3) A. Toxicology, the principles, concepts and thinking that are its foundation. The mechanisms by which the substances enter the cells of the body, the physiological processes, the target organs, classes of toxic substances, and potential exposures.

EHS 870 Assessing and Managing Health Risks. (3) A. A study of risk assessment, injury control, and environmental epidemiology. Techniques for assessment and management of risk and paradigms for decision making to protect community public health and the work environment.

EHS 877 Public Health Group Dynamics. (3) A. Provides the student with the principles of value-based decision-making in empowering stakeholders of the health care system. This course deals with group planning processes, negotiation and mediation.

EHS 880 Food/Waterborne Disease Control. (3) A. The management of safety and disease hazards inherent in administering community programs of food hygiene, water supply, and wastewater treatment.

EHS 890 Independent Study in Health Science. (1-3) A. Prerequisite: advisor/course instructor/departamental approval prior to enrollment. Student-initiated directed study. Regular consultation with faculty supervisor and final project research paper required. May not be retaken under different subtopics. Approval of special project study proposal by faculty advisor.

EHS 899 Thesis in Health Science. (1-6) A. Prerequisite: advisor/course instructor/departamental approval prior to enrollment. Student-initiated directed study on thesis research and writing. Regular consultation with faculty supervisor and final project research paper required.

EHS 899C Thesis in Health Science Continuation. (1-6) A. Prerequisite: advisor/course instructor/departamental approval prior to enrollment. Student-initiated directed study on thesis research and writing. Regular consultation with faculty supervisor and final project research paper required.

ELE—Elementary Education **Dr. Michael A. Martin, Chair**

ELE 707 Problems in Elementary Education. (1-3) A. Prerequisite: advisor/departamental chair approval. Independent work, special workshops, special topics, or seminar.

ELE 719 Teaching in the Kindergarten. (3) A. Focuses upon leaders and literature of kindergarten education including historical movements, organizations, curricula, equipment, and procedures used with normal, developmentally different, and multicultural children.

ELE 741 Survey of Elementary Curriculum Programs. (3) I, II. For physical education, art, or music majors seeking 12th grade certification. Explores elementary curriculum, the role of special teachers, problems of individual learners, functions of the entire school-community. Not open to elementary education majors.

ELE 807 Elementary Education: _____. (1-3) A. Prerequisite: advisor/departamental chair approval. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles.

ELE 810 Elementary School Curriculum. (3) I, II. Study in depth of principles, materials, and procedures in current curriculum development and revision in the elementary school.

ELE 871 Literacy Programs: P-5 (3) A. Intensive study of methods and materials appropriate for developing emergent, primary, and transitional literacy in grades P-5.

ELE 897 Independent Study. (1-3) I, II. Primarily for advanced graduate students who desire to investigate special problems relating to elementary education. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

EME—Early Elementary/Middle Grade **Dr. Michael A. Martin, Chair**

EME 710 Art in the Curriculum. (3) A. Elements of the discipline, creativity, aesthetics, theory, philosophy and instructional facilities will be explored. Individual explorations of research and media.

EME 751 Linguistics in the Curriculum. (3) A. Prerequisite: EME 445, 873 or ELE 871. Investigations of elements in the science of linguistics and their application to communication skills of students.

EME 786 Teaching of Health in P-8. (3) A. Prerequisites: admission to teacher education and major in school health. Developmentally appropriate curriculum, materials, and methods for the health P-8 program. Minimum of twenty field/clinical hours.

EME 796 Physical Education for Children and Youth. (3) A. Comprehensive review of techniques used in teaching physical education in the

early elementary and middle grades. Emphasis placed on health, evaluation, fitness testing, rhythmical activities, game activities, tumbling and self-testing.

EME 843 Teaching Mathematics to Low Achievers. (3) A. In-depth analysis of characteristics of low achievers, teaching resources, teaching strategies, and appropriate mathematics curriculum content.

EME 863 Social Science in the Curriculum. (3) A. Emphasis on social science disciplines in the curriculum. New developments in social studies curricula are explored.

EME 865 Investigations in Reading. (1-3) A. Prerequisite: instructor approval. Individual research and study of investigative and theoretical literature dealing with the teaching of reading.

EME 866 Investigations in Mathematics. (1-3) A. Critical study of investigative and theoretical literature dealing with the teaching of mathematics.

EME 870 Trends in Science Education. (3) A. Exploration of modern trends, practices, and foundation programs drawn from appropriate disciplines which relate to the teaching of science.

EME 872 Mathematics in the Curriculum. (3) A. Exploration of trends, concepts, and issues involved in modern mathematics programs. Research findings are examined and multisensory materials are presented.

EME 873 Research Based Reading Instruction. (1-3) A. Advanced study of methods, materials, and organizational procedures appropriate for teaching developmental reading.

EME 874 Language Arts in the Curriculum. (3) A. Examination of current trends and curriculum problems related to teaching of language arts. Emphasis on listening, oral and written expression, spelling and handwriting.

EME 876 Investigations in Science Education. (3) A. Prerequisite: instructor approval. Individual research and study of investigative and theoretical literature dealing with the teaching of science.

EME 877 Practicum for Reading Specialists. (3) A. Prerequisites: EMS 868 and 875. Supervised experience for reading specialists in diagnosing and instructing students with reading difficulties.

EMG—Middle Grade Education **Dr. Michael A. Martin, Chair**

EMG 707 Problems in Middle Grade Education: _____. (1-3) A. Prerequisite: approval of advisor. Independent work, workshops, special topics, or seminar. May be taken for a maximum of six hours under different subtitles.

EMG 768 Curriculum and Instructional Strategies for Industrial Education in the Middle Grades. (3) A. Prerequisite: certification in Industrial Education. Study of curriculum content, instructional materials and strategies appropriate for Industrial Education instruction in the middle grades.

EMG 806 Reading Instruction in the Middle School. (3) A. Prerequisite: a course in foundations or reading/language arts instruction. Comprehensive study of materials and strategies for teaching reading in the middle grades with special emphasis on reading in the content areas.

EMG 807 Middle Grade Education: _____. (1-3) A. Independent study, special workshops, topics, or seminars. May be retaken for a maximum of six hours under different subtitles.

EMG 810 Curriculum in the Middle School. (3) A. A study of the physical, social, emotional, and intellectual needs unique to the middle grade student and their implications for courses of study, the learning environment, and teacher characteristics.

EMG 867 Middle Grade Curriculum and Instructional Strategies in Family and Consumer Sciences. (3) A. Curriculum content, instructional materials, and strategies appropriate for middle grade instruction in family and consumer sciences.

EMG 897 Independent Study. (1-3) A. Offered for advanced graduate students who desire to investigate special problems related to middle grade education.

EMS—Early Elementary/Middle Grade/Secondary **Dr. Michael A. Martin, Chair**

EMS 775 Methods and Materials for Teaching English as a Second Language. (3) A. The study of effective methods of Teaching English as a Second Language (TESL). Thirty hours of field experiences are required.

EMS 800 Instructional Design and Technology. (3) A. An in-depth study of designing and planning technology enhanced learning activities and materials in P-12 classrooms.

EMS 811 Humanistic Teaching — Strategies and Behaviors. (3) A. Rationale for and practice with techniques for effective teaching using humanistic and behavioral approaches. Emphasis is placed upon meeting the individual professional needs of participants.

EMS 818 Effective Instructional Models and Practices. (3) A. A course designed to help students examine, evaluate, and apply recent research findings related to effective instruction and schools.

EMS 830 Multicultural Populations and School Curriculum. (3) A. Exploration of ethnic and family backgrounds, class structure, patterns of living, language characteristics, and teacher-pupil attitudes as they relate to the school experience.

EMS 842 Discipline and Classroom Management. (3) A. Knowledge and skills necessary for establishing and maintaining positive relationships in the classroom; disciplinary concerns of teachers. Theoretical and tested knowledge in personal behavior and communication skills systems examined for practical and effective application.

EMS 850 Curriculum for Leaders in Education. (3) A. A course focusing on definition, planning, implementation, and assessment of P-12 curricula. Designed for students pursuing programs in Instructional Leadership.

EMS 855 Gifted and Talented Youth. (3) A. Survey of the unique characteristics of gifted and talented youth, methods of identification, and educational needs.

EMS 856 Curriculum in the Gifted and Talented Education. (3) A. Models for gifted and talented curriculum development, gifted and talented curriculum projects and teaching strategies, state and national curricular guidelines for gifted and talented instruction, program delivery options, and technological support are major topics.

EMS 857 Model Programs for Gifted and Talented Education. (3) A. Prerequisites: EMS 855, 856, 857. Examination of school and district wide programs for gifted and talented students including program delivery options, staff development, and development of critical and creative thinking skills.

EMS 858 Practicum for Gifted and Talented Education. (3) A. Prerequisites: EMS 855, 856, 857. Supervised teaching experience with gifted/talented students. Provides students opportunities to apply knowledge and skills in classroom settings. Students will participate in program planning, implementation, and evaluation.

EMS 861 Environmental Education Essentials. (3) A. Exploration of the philosophy, historical development, resource identification and curriculum development of environmental education.

EMS 863 Techniques of Teaching Environmental Education. (3) A. Appropriate methods and materials for effective environmental education in a variety of settings.

EMS 868 Instructional Techniques and Materials for Students with Reading Difficulties. (3) A. Prerequisite: ELE 871, EME 873, EMG 806, or ESE 774. Methods, materials and techniques appropriate for correction of reading problems.

EMS 870 Introduction to Literacy Consulting. (3) A. An introduction to the roles, skills, responsibilities and dispositions needed for successful literacy consulting in grades 4-12.

EMS 871 Practicum in Literacy Consulting. (3) A. Prerequisite: EMS 870. Supervised experiences for literacy consultants working in schools to provide instructional support and professional development in the language arts to teachers across the curriculum.

EMS 875 Diagnostic Assessment of Students with Reading Difficulties. (3) A. Prerequisite: ELE 871, EME 873, EMG 806, or ESE 774. Theory and implementation of diagnostic procedures for the appraisal of reading difficulties. Emphasis on assessing types and degree of reading disabilities and identifying casual and contributing factors.

EMS 880 Organization and Supervision of Student Teaching. (3) A. Prerequisite: teaching experience. For school and college personnel concerned with improving student teaching experiences.

EMS 889 Literacy Consulting Capstone Seminar. (3) A. Prerequisites: EMS 870 and 871. Multimedia presentation of an action research project related to literacy consulting. Reflections on individual professional development related to IRA/NCTE Literacy Coaching standards.

ENG—English
Dr. James Keller, Chair

ENG 700 Topics in Professional Writing: _____. (3) A. Study and practice in selected areas of professional writing. May be retaken with different topics to a maximum of six hours. If subtopic is "Writing for the Popular Media," no credit given to students who have credit for JOU 480.

ENG 702 Advanced Creative Writing. (3) A. Open to students who desire to have their manuscripts criticized: fiction, drama, poetry, biography, or the informal essay accepted; guest lectures by and discussion with writers in residence.

ENG 703 Creative Writing Workshop. (1) A. Prerequisite: departmental approval. One-week course of lectures and discussions by faculty and visiting lecturers. Each student must submit a short story, a one-act play, four poems, or equivalent. May be retaken for a maximum of three hours. Students having received credit for this course at the 500 level may take this course for a maximum of six hours, including the undergraduate credit.

ENG 704 Creative Writing Mentorship. (2) **SUMMER ONLY.** Prerequisite/Corequisite: ENG 703. Corresponding with instructor on-line and in conference, students will further develop advanced projects begun in ENG 703.

ENG 710 Introduction to Linguistic Theory. (3) A. An introduction to current linguistic theory and practice.

ENG 715 English as a Second Language. (3) A. Study of theories advanced to explain the learning of English as a second language.

ENG 720 History of the English Language. (3) A. Study of the history of the English language in terms of social, historical, and linguistic forces from which it developed into modern English.

ENG 730 Topics in Genre: _____. (3) A. Study of a designated literary genre, such as the rise of the novel, epic poetry, classical drama, or a popular literature genre. May be retaken with different topics to a maximum of six hours.

ENG 735 Women Writers. (3) A. Study of literature by women writers.

ENG 750 Topics in Literature: _____. (3) A. An intensive study of a particular aspect of literature such as a theme, a movement, or contemporary directions/experiments. May be retaken with a different topic to a maximum of six hours.

ENG 800 Seminar on Composition. (3) I. An introduction to current information and ideas on composition, with practical application, problem solving, and research especially relevant to college composition. Required of and limited to teaching assistants in English.

ENG 803 Approaches to Creative Writing. (3) A. Study in depth of the various approaches to pedagogy of creative writing (e.g., Atelier, Great Works, Workshop) culminating in a major project demonstrating both mastery and synthesis of the approaches covered.

ENG 804 Seminar in Creative Writing: _____. (3) A. Prerequisite: ENG 700, 702, or 703. Writing and study in depth of a particular genre (e.g., fiction, poetry, drama) resulting in a coordinated project. May be retaken with different topics to a maximum of six hours.

ENG 805 Writing Project. (3-6) A. Prerequisite: prior approval of department chair. Study of professional literature on the development of writing ability; practice in and analysis of the writing process and response to writing; individualized research. Maximum of three credit hours may apply toward an M.A. degree in English.

ENG 806 Topics in Modern Rhetoric: _____. (3) A. Prerequisite: ENG 510/710 or equivalent. Study in depth of selected major authors, theories, research and/or pedagogical approaches in twentieth-century rhetoric. May be retaken with a different topic to a maximum of six hours.

ENG 807 Advanced Study of Language: Knowledge and Use. (3) A. Prerequisite: ENG 510/710 or equivalent. An advanced course in language knowledge (competence) and use (performance) from the perspective of language theory, focusing on aspects of language acquisition and literacy development.

ENG 808 Studies in Modern Composition Theory. (3) A. An advanced course in modern theories of composition, suitable for students of writing and for students interested in teaching writing; includes theory, practice, and evaluation.

ENG 809 Seminar in Scholarship and Writing. (3) A. Study of the range of scholarly tools and methods for research and writing, including print and electronic sources. Special emphasis on practical application to a specific research project.

ENG 810 Seminar in Linguistics. (3) A. Prerequisite: ENG 510/710 or equivalent. Study of language from various linguistic perspectives.

ENG 812 Seminar in Research Methods in Rhetoric and Composition Studies. (3) A. Study of methods and bibliographical resources, including electronic media, for scholarly research and writing in rhetoric and composition studies. Emphasis on practical application to a specific research project.

ENG 825 Old English Language and Literature. (3) A. Study of the structure of Old English (phonology, morphology, syntax) and of selected literary works in the original. Emphasis on language or literature based on individual students' interests.

ENG 827 History of Rhetoric. (3) A. Study of classical rhetoric through the nineteenth-century as it applied to written discourse. Emphasis upon methods of invention, arrangement, and style to demonstrate their continuing utility.

ENG 830 Seminar in Literature. (3) A. An intensive study of an author(s) or a particular aspect of literature such as theme, a movement, or contemporary directions/experiments. May be retaken with different topics to a maximum of six hours.

ENG 833 Modern Literary Criticism. (3) A. Study of selected major critical approaches (such as New Criticism, Marxist Criticism, Psychoanalytic Criticism, Deconstruction, New Historicism, Feminist Criticism, Reader-Response Criticism) and their backgrounds.

ENG 839 Applied Learning in English. (1-6) A. Prerequisite: English department approval. Work under faculty and field supervisors in cooperative placement related to English graduate studies. One to six hours credit per semester or summer. Minimum of eighty hours work required for each academic credit. Maximum of three hours credit may apply toward an M.A. degree in English.

ENG 839 A-F Cooperative Study: English. (1-6) A. Prerequisite: English department approval. Work under faculty and field supervisors in cooperative placement related to English graduate studies. One to six hours credit per semester or summer. Minimum of eighty hours work required for each academic credit. Maximum of three hours credit may apply toward an M.A. degree in English.

ENG 850 Seminar in Early American Literature. (3) A. Study in depth of several major authors, or of a significant literary movement, in American literature through Cooper. May be retaken with different topics to a maximum of six hours, only upon advisor recommendation.

ENG 853 Seminar in Nineteenth-Century American Literature. (3) A. Study in depth of several major authors, or of a significant literary movement, in American literature of the 19th century. May be retaken with different topics to a maximum of six hours, only upon advisor recommendation.

ENG 854 Seminar in Twentieth-Century American Literature. (3) A. Study in depth of several major authors, or of a significant literary movement, in modern American literature. May be retaken with different topics to a maximum of six hours, only upon advisor recommendation.

ENG 860 Topics in Reading & Teaching Lit. (3) A. Study of various topics in reading and teaching literature to middle and high school students. Designed for middle and high school language arts/English teachers. (Counts towards credit hours for MAT, M.Ed, and Extension Certificate). May be retaken with different topics to a maximum of six hours, only upon advisor recommendation.

ENG 861 Reading and Teaching Poetry. (3) A. The course introduces middle and high school language arts/English teachers to the teaching of poetry (reading and writing); it demonstrates how teachers may share their approaches to poetry with middle and high school students so that their students may more skillfully read and interpret poetry. (Counts towards credit hours for MAT, M.Ed, and Extension Certificate).

ENG 862 Reading and Teaching Fiction. (3) A. The course introduces middle and high school language arts/English teachers to the teaching of fiction (reading and writing); it demonstrates how teachers may share their approaches to fiction (novels and short stories) with middle and high school students so that their students may more skillfully read and interpret works of fiction. (Counts towards credit hours for MAT, M.Ed, and Extension Certificate).

ENG 863 Writing and Teaching Writing. (3) II. Prerequisite: ENG 301 or equivalent. Writing experiences with varied purposes in different genres; approaches for teaching writing in K-12 schools. Writing is analyzed for evidence of instructional "next steps." Does not fulfill requirements for MA in English. Credit will not be awarded to students who have credit for ENG 805.

ENG 870 Seminar in Medieval Literature. (3) A. Study in depth of several major authors, or of a significant literary movement, in English literature of the Middle Ages.

ENG 873 Seminar in Renaissance Literature. (3) A. Study in depth of Shakespeare or of several major authors, or of a significant literary movement, in English literature from 1485 to 1660.

ENG 876 Seminar in Restoration and Eighteenth-Century Literature. (3) A. Study in depth of several major authors, or of a significant literary movement, in British literature from 1600 to 1800.

ENG 878 Seminar in Nineteenth-Century British Literature. (3) A. Study in depth of several major authors, or of a significant literary movement, in British literature of the Romantic and Victorian periods.

ENG 880 Seminar in Twentieth-Century British Literature. (3) A. A study in depth of several major authors, or of a significant literary movement, in modern British literature. May be retaken with different topics to a maximum of six hours, only upon advisor recommendation.

ENG 890 Special Studies. (1-3) A. Independent research and writing designed to fulfill individual needs and interests of advanced students. Student must have the graduate special studies proposal approved by faculty supervisor, graduate program coordinator, and department chair.

ENG 898 Thesis I. (3) A.

ENG 899 Thesis II. (3) A.

ENW—English Creative Writing
Dr. James Keller, Chair

ENW 800 On-Campus Writing Residency: _____. (3) A. Corequisites: ENW 810, 820. Intensive seven to ten-day course, taken to fulfill requirements for an M.F.A. in Creative Writing. May be repeated for credit up to 12 hours, as long as course content varies.

ENW 810 Topics in Creative Writing: _____. (3) A. OFFERED ON-LINE ONLY. Selected topic on creative writing. May be repeated with different topics to a maximum of 12 hours.

ENW 820 Low-Residency Mentoring: _____. (6) A. During the low-residency mentoring, students will work with their mentors via mail, email, teleconferencing, Blackboard, telephone, and in any other way the mentor deems fruitful. Similar to an independent study, students will work on their own (reading, writing, revising), sending in work to their mentor (amount to be determined by the mentor) every three weeks. May be repeated for credit up to 24 hours, as long as course content varies.

EPY—Educational Psychology
Dr. Connie Callahan, Interim Chair

EPY 816 Tests and Measurements. (3) I, II. Study of concepts, principles, and methods involved in the use of current tests and inventories. Emphasis on measurement theory underlying construction, use, and interpretation of data from standardized tests.

EPY 839 Human Development and Learning. (3) I, II. The study of various theories of human behavior, development, and learning. Emphasis is placed on current research and theories with special emphasis on different ethnic, cultural and social backgrounds and physical and mental exceptionality of children and youth.

EPY 842 Statistical Methods I. (3) A. Introduction to the techniques appropriate for the treatment of educational and psychological data. Use and interpretation of descriptive statistical methods. Credit will not be awarded to students who have credit for ECO 824 or ECO 220 or HEA 450 or PLS 400 or COR 400 or QMB 200 or PSY 291 or STA 208 or STA 209 or STA 210 or STA 270.

EPY 843 Statistical Methods II. (3) A. Prerequisite: instructor approval. Use and interpretation of multi-sample inferential statistics. Analysis of variance, co-variance, factorial designs, multiple regression, and nonparametric techniques. Credit will not be awarded to students who have credit for ECO 221 or ECO 854 or PSY 301 or QMB 300 or STA 271 or STA 500 or STA 700.

EPY 852 Advanced Educational Psychology. (3) A. Basic problems of biological and environmental factors are reviewed, and the principles of motivation and learning are emphasized.

EPY 854 Mental Health and Personal Adjustment. (3) A. Study of the personal and social factors related to the development of individual mental health and mental illness.

EPY 869 Research in Education. (3) I, II. Fundamental principles of educational research. Required of all candidates for the Master of Arts in Education degree who do not prepare a thesis. Should be taken early in the graduate program.

EPY 895 Advanced Research Methodology. (3) A. Prerequisite: EPY 869 or equivalent. Theories and models of research design in the study of behavior and the educative process; statistical analysis of data. Research proposals may be developed.

ESE—Secondary Education
Dr. Michael A. Martin, Chair

ESE 707 Problems in Secondary Education. (1-3) A. Prerequisite: advisor/departmental chair approval. Independent work, special workshops, special topics, or seminars.

ESE 740 Teaching Art in the Secondary P-12 Schools. (3) I. Prerequisite: admission to the MAT program. Developmentally appropriate materials and methods for teaching art in the secondary schools. Minimum of 96 field/clinical hours.

ESE 743 Teaching of Language Arts in the Secondary School. (3) I. Prerequisites: admission to the MAT program with a major in English, French, German, Spanish or speech and drama. Developmentally appropriate materials and methods for teaching language arts in the secondary school. Minimum of 90 field/clinical hours.

ESE 749 Teaching Social Studies in the Secondary School. (3) I. Prerequisites: admission to the MAT program, a "B" or higher in EGC 820 and EGC 830, and a major in the social sciences. Developmentally appropriate materials and methods for teaching social sciences in the secondary school. Minimum of 90 field/clinical hours.

ESE 750 Teaching Mathematics in the Secondary School. (3) I. Prerequisite: admission to the MAT program. Developmentally appropriate materials and methods for teaching mathematics and computer science in secondary schools. Minimum of 96 field/clinical hours.

ESE 752 Teaching of Career and Technical Education in Middle and Secondary Schools. (3) I. Prerequisite: admission to the MAT program. Developmentally appropriate materials and methods for teaching career and technical education in the middle and secondary schools. Minimum of 96 field/clinical hours.

ESE 753 Family and Consumer Sciences Education Curriculum. (4) I. Prerequisite: admission to the MAT program. Developmentally appropriate materials and methods for teaching family and consumer sciences education curriculum in the secondary schools. Minimum of 96 field/clinical hours.

ESE 761 Teaching Science in Secondary School. (3) I. Prerequisite: Admission into the secondary MAT program. Designed to introduce prospective teachers to the modern materials and methods of teaching biological and physical science at the secondary level. Minimum of 96 field/clinical hours.

ESE 766 Teaching of Physical Education in Secondary Schools. (3) I. Prerequisites: admission to the MAT program with a major in physical education. Developmentally appropriate materials and methods for teaching physical education in the secondary schools. Minimum of 90 field/clinical hours.

ESE 773 Teaching Business and Marketing in Middle and Secondary Schools. (3) I. Prerequisite: admission to the MAT program. Developmentally appropriate materials and methods for teaching business and marketing education. Minimum of 96 field/clinical hours.

ESE 774 Teaching Reading in the Secondary School. (3) A. Prerequisites: education core and admission to teacher education. Emphasis on developmental and content area reading skills, appraisal of reading abilities, appropriate materials, assessment, and organization of secondary reading program.

ESE 779 Music Education: Principles and Practices. (3) I. Prerequisites: admission to the MAT program or a music certification program and MUS 750. Developmentally appropriate materials and methods for teaching music education in secondary schools. Minimum of 96 field/clinical hours.

ESE 787 Teaching of Health Education in Secondary Schools. (3) I. Prerequisites: admission to the MAT program with a major in health education. Developmentally appropriate materials and methods for teaching health education in secondary schools. Minimum of 96 field/clinical hours.

ESE 807 Secondary Education: _____. (1-3) A. Prerequisite: advisor/departmental chair approval. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles.

ESE 849 Trends and Materials in Social Studies. (3) A. Designed to broaden the horizons of secondary social studies teachers. Attention focused on new curriculum materials, simulation, videotaped microteaching. Participants will be actively involved, and consultants will assist in areas of particular interest.

ESE 850 Trends and Materials in the Teaching of Mathematics. (3) A. Examination of curricular trends, modern programs, appropriate strategies, and innovative materials in secondary mathematics.

ESE 860 Curriculum Development in Family and Consumer Sciences. (3) A. Prerequisite: instructor approval. Educational trends and their implications; principles of curriculum construction applied to family and consumer sciences in middle and secondary school.

ESE 861 Supervision of Family and Consumer Sciences. (3) A. Principles and techniques of effective supervision in family and consumer sciences with emphasis on supervision of student teaching.

ESE 863 Secondary School Curriculum. (3) II. Aims of the public secondary schools; plans for evaluating curriculum procedures; qualities of good teaching; procedures of evaluating and improving classroom teaching; methods of making the school a more effective agency.

ESE 864 Special Problems in Family and Consumer Science Education. (1-3) A. Prerequisite: instructor approval. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

ESE 867 Assessment in Family and Consumer Sciences Education. (3) A. Theories and techniques of program and student assessment; construction and interpretation of instruments to measure student progress and program improvement.

ESE 871 Special Problems in Industrial Arts Education. (1-6) A. Problems of particular value to the teacher in the field, both of a practical and of a research nature, will be pursued by the student and developed through conferences and activities directed by the staff. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

ESE 872 Curriculum Practices and Trends in Industrial Education. (3) I. Current concepts and trends in industrial education; principles underlying curriculum construction and development; long range planning for improvement of program.

ESE 874 Supervision and Administration in Music. (3) A. Functions, techniques, and problems of supervision and administration in music education; development of effective programs in city and county school systems; inservice education and workshop techniques; professional and community relationships.

ESE 876 Current Trends in Elementary Music. (2) A. Current thought and practices in elementary music; knowledge of learners and learning processes, structure of music, methods of developing skills. Non-music majors must have equivalent of MUS 360 and instructor approval.

ESE 877 Practicum in Remedial Reading. (3) A. Supervised experiences for secondary reading teachers in diagnosis and correction of reading problems.

ESE 878 Principles of Music Education. (3) I. Basic educational principles and their implications for music education with reference to all types of school situations.

ESE 879 Foundations of Music Education. (3) II. Historical, philosophical, and psychological foundations of music education and their relationship to curriculum development.

ESE 880 Problems in Music Education. (1-3) I, II. Problems in the various areas of music education. Emphasis on curriculum improvement through experience to current research and literature in the field. If taken as an independent study, student must have the independent study form approved by faculty advisor and department chair prior to enrollment. May be retaken to a maximum of three hours.

ESE 881 Workshop in Music Education. (1-4) Summer only. Philosophy, objectives, literature, materials, and techniques pertinent to a particular area of music instruction. Topics to be announced. May be retaken to a maximum of four hours credit.

ESE 882 Curriculum Development in Music Education. (3) A. The theory and process of curriculum development in music education; consideration of the instructional process; the importance of sequence, continuity, and articulation; strategies for change.

FCS—Family and Consumer Sciences
Dr. Diane Leggett, Chair

FCS 750 Family and Consumer Science Topics: _____. (1-6) A. Workshops on selected topics in home economics. May be retaken to a maximum of six hours provided topics vary. Students having received credit for the course at the 500 level may take this course to a maximum of six credit hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it to a maximum of six hours credit.

FIN—Finance
TBA, Chair

FIN 824 Survey of Finance. (3) A. Prerequisites: ACC 201 and ACC 202 or ACC 820 each with a minimum grade of "B-," ECO 230 and ECO 231 each with a minimum grade of "C-." Introduction to theories of managerial financial decision making; time value of money; risk-reward tradeoff; stockholder wealth maximization; capital structure; working capital management; and financial institution markets arrangements.

FIN 850 Strategic Financial Management. (3) II. Prerequisites: FIN 300 or FIN 824 or equivalent each with a minimum grade of "B-" and QMB 850. Case-oriented, in-depth exploration of capital budgeting, dividend analysis, capital structure, cash and liquidity management, financial forecasting and planning, current assets and liabilities management, and institutional strategies for finance. Focus on deconstructing financial statements.

FIN 851 Seminar in Investments. (3) I. Readings on traditional and current issues emphasizing valuation, selection, and portfolio management of securities.

FIN 854 Financial Markets and Institutions. (3) A. Prerequisites: FIN 824 with a minimum grade of "B-" and QMB 850. A topical survey of the relevant financial markets and institutions literature, including the impact of regulation and deregulation.

FIN 855 Topics in Finance: _____. (1-6) A. Prerequisites: FIN 824 with a minimum grade of "B-" and QMB 850. Study of contemporary topics from areas such as international finance, financial institutions and regulations, and investment analysis. May be retaken to a maximum of six hour provided topics are different.

FIN 890 Independent Study in Finance. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics to a cumulative maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

FRM—Family Resource Management
Dr. Diane Leggett, Chair

FRM 856 Special Problems in Family Economics and Management. (1-3) A. Prerequisite: instructor approval. The student chooses a problem and works under the supervision of the instructor. May be retaken to a maximum of six hours provided topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GBU—General Business
TBA, Chair

GBU 850 Legal, Ethical, and Social Environment of Business. (3) A. Examines what the responsible business-person must know about the Common Law, the regulatory environment, standards of ethical conduct, and the social responsibilities of the modern enterprise.

GBU 851 Business Strategy. (3) I, II. Prerequisites: ACC 850, CCT 850, CIS 850, FIN 850, MGT 850, MKT 850, and QMB 850. A capstone perspective integrating design of all functional areas and implementation of business strategic plan.

GBU 855 Special Topics in Business. (3) A. Prerequisite: departmental approval. Study of various special topics in the various functional areas of business: accounting, administrative communications, computer information systems, finance, management, marketing, or international business. May be retaken to a maximum of six hours provided topics are different.

GBU 891 Thesis Research. (3) A. An independent research project, guided by a Thesis Advisor and approved by Thesis Committee of three MBA faculty (Thesis Advisor included), in partial fulfillment of the MBA degree. Three hours per semester, up to a maximum of six hours, may be taken. The grade for this course will be IP until either the thesis is completed and approved, or the MBA comprehensive examination is passed at which time the grade will become S.

GEO—Geography
Dr. Richard Sambrook, Acting Chair

GEO 701 Advanced Geography: _____. (3) A. Prerequisite: departmental approval. In-depth study of physical, cultural, economic, or geographic technique (GIS) themes. May be retaken to a maximum of six hours provided subject matter differs each time.

GEO 725 Seminar in Planning: _____. (3) A. In-depth study of urban or regional planning topics, such as growth management and land use. May

be retaken to a maximum of six hours provided subject matter differs each time.

GEO 753 Advanced GIS. (3) A. Prerequisite: GEO 353 or equivalent or departmental approval. Advanced concepts, operations, and applications of raster and vector GIS. Spatial analysis using scanning, imagery, GPS, global data sets, and derived data for natural and social applications. Use of standards, metadata, open GIS, and other advances.

GEO 755 Advanced Cartography. (3) A. Prerequisite: GEO 355 or departmental approval. Advanced techniques of cartographic presentation of data to include computer applications. 1 Lec/4 Lab.

GEO 756 Advanced Geographic Imagery. (3) A. Prerequisite: GEO 355 or departmental approval. Characteristics, interpretation, integration, and applications of advanced geographic imagery, including remote sensing and GIS digital data. Attention on satellite and multispectral imagery, including image processing. Hands-on emphasis.

GEO 797 Special Studies in Geography. (1-3) A. Prerequisite: departmental approval. Directed work in geography. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Credit will not be awarded to students who have credit for PLA 797 or PLA 597.

GLY—Geology
TBA, Chair

GLY 700 Earth Science Problems for Teachers: _____. (1-3) I, II. Prerequisite: departmental approval. Designed to fit the needs of individual students majoring in education (general science) who need special instruction in the earth sciences. Student must have the independent study proposal form approved by the faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of nine hours provided topic is different each time.

GLY 703 Earth Materials. (3) I. Prerequisite: GLY 108 or departmental approval. Survey of natural materials: minerals, rocks, soils and natural resources presented in the compositional structure of the Earth. Emphasis on the interaction between these materials and human activity, and on analytical techniques. 2 Lec/2 Lab.

GLY 704 Earth Processes. (3) II. Prerequisite: GLY 108 or departmental approval. Survey of natural processes: weathering and erosion; transportation, deposition and consolidation of sediment; deformation and uplift of the Earth's crust. Emphasis on the interaction between these processes and human activity, and on analytical techniques. 2 Lec/2 Lab.

GLY 712 Geology of Soils. (3) A. Prerequisite: GLY 108 or departmental approval. Composition, classification, and evolution of soil; role of climate, living organisms, physiography, and underlying geology in soil formation. Emphasis on clay mineralogy, analytical techniques, soil mapping, paleosols in the rock record, human interaction with soils, and the economic importance of soils. 2 Lec/2 Lab.

GLY 735 Hydrogeology. (3) I. Prerequisites: GLY 108 or departmental approval. Origin, occurrence, movement, utilization, and conservation of groundwater. Qualitative and quantitative presentation of geological, physical, and geochemical aspects of groundwater hydrology. 2 Lec/2 Lab.

GLY 740 Biochemical Treatment Processes. (3) A. Prerequisite: departmental approval. Survey of remediation processes for polluted waters and soils; emphasis on understanding the science of and application for various treatment processes.

GLY 750 Evolution of the Earth. (3) A.

Prerequisites: GLY 703 and 704 or departmental approval. Capstone course: overview of geological principles from the perspective of earth's history, physical and biological. Emphasis on critical thinking and expressive writing.

GLY 780 Selected Topics: _____. (1-3) A.

Prerequisite: departmental approval. Designed to explore specific aspects of geology. May be retaken to a maximum of six hours provided topic is different each time.

GLY 800 Selected Topics for Teachers: _____. (1-3) A.

Prerequisite: departmental approval. Designed to offer a range of geological topics for teacher education. May be retaken to a maximum of nine hours provided topic is different each time.

GLY 802 Scientific Communication in Geosciences. (2) I.

Corequisite: GLY 803. Introduction to design of research, preparation of papers for scientific publication, and the preparation and presentation of displays and papers at scientific meetings.

GLY 803 Graduate Seminar. (1) I, II.

Weekly departmental seminar directed toward current research in geoscience. Presenters include faculty, invited professionals, and graduate students. Active participation as a presenter and an informed respondent required. Intended as a compliment to GLY 802, but may be retaken to a maximum of four hours.

GLY 804 Research Methods in Geosciences. (3) I.

Practical methodology of research in the geosciences, a site-based project that uses geoscientific techniques and instrumentation to answer research questions. Includes, but is not limited to, petrography; orientation to available laboratory facilities, geospatial analysis, and field investigations. 2 Lec/2 Lab.

GLY 805 Advanced Structural Geology. (3) A.

Prerequisite: GLY 410 or departmental approval. Emphasis on plate tectonics, regional structure, and the mechanics of stress and strain.

GLY 821 Sedimentology: _____. (3) A.

Prerequisite: GLY 415 or departmental approval. Emphasis on either siliciclastic or carbonate sedimentology. Study of physical, chemical, and biological processes leading to interpretation of depositional and diagenetic environments. May be retaken to a maximum of six hours if topic is different.

GLY 822 Igneous and Metamorphic Petrology. (3) A. Prerequisite: GLY 409 or GLY 703 and 804. Mineralogy, chemistry, texture, structure, and tectonic environment of the principle suites of igneous and metamorphic rocks. Emphasis on petrogenetic models within an overall context of global tectonics. 2 Lec/2 Lab.

GLY 823 Sedimentary Petrology. (3) A.

Prerequisite: GLY 409 or GLY 703 and GLY 804. Study of composition, texture, and diagenesis of sedimentary rocks. Emphasis on microscopic examination. 2 Lec/2 Lab.

GLY 836 Seminar: Granular

Hydrogeology. (3) A. Prerequisite: GLY 535 or 735 or departmental approval. Divergent groundwater flow in ideally homogeneous, isotropic, porous and permeable media, both vadose and phreatic; examples illustrating departures from the ideal. Seminar features exposition of theoretical concepts and their practical application, current journal articles, case studies, and student/instructor/guest presentations.

GLY 837 Seminar: Karst Hydrogeology. (3) A.

Prerequisite: GLY 535 or 735 or departmental approval. Convergent groundwater flow in soluble rocks exhibiting heterogeneous, anisotropic, conduit dominated permeability, both vadose and phreatic. Seminar features lecture presentations relevant to comprehending and analyzing these complex aquifers, demonstration of tracer investigations and electronic monitoring, case studies, field trip, and student presentations.

GLY 838 Seminar: Contaminant

Hydrogeology. (3) A. Prerequisite: GLY 535 or 735 or departmental approval. Point and non-point source contamination of granular and karst aquifers; vadose and phreatic zone transport of various kinds of pollutants; groundwater monitoring, aquifer restoration and environmental remediation. Seminar features exposition of theoretical concepts and their practical application, current journal articles, case studies, and student/instructor/guest presentations.

GLY 860 Aqueous Geochemistry. (3) II.

Prerequisite: CHE 112 or departmental approval. Reactions between natural waters, atmospheric gases and earth materials in surface and near surface environments. Emphasis is placed on consequences of chemical weathering, composition of surface and near surface water, geochemical cycles, and natural and anthropogenic geochemical events. 2 Lec/2 Lab.

GLY 880 Seminar: _____. (1-3) A.

Prerequisite: instructor approval. Designed to meet specialized needs for instruction. May be retaken to a maximum of nine hours provided topic is different each time.

GLY 890 Geological Literature Review. (3) A.

Prerequisite: GLY 802. Critical analysis of research in a specific field of geology or environmental science, written in consultation with faculty committee. Required of graduate students in non-thesis option; credit will not be given for both GLY 899 and GLY 890.

GLY 898 Special Problems in Geology. (1-6) I, II.

Prerequisite: departmental approval. Topic determined by student and instructor. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topic is different each time.

GLY 899 Thesis. (3-6) I, II.

Prerequisites: admission to candidacy and departmental approval. Research leading to thesis as directed by chair of thesis committee. May be retaken to a maximum of six hours.

GLY 899C Thesis Continuation. (3-9) I, II.

Prerequisite: departmental approval. Continuation of research leading to thesis as directed by chair of thesis committee. Student must have already registered for six hours of GLY 899. May be retaken as necessary. May not be used to satisfy degree program requirements.

**HEA—Health Education
Dr. Michael Ballard, Chair**

HEA 780 Evaluation of Health Promotion Programs. (3) I, II. This course will provide an introduction to principles, strategies, and skills for the evaluation of health promotion programs in a variety of settings.

HEA 790 Health Education: _____. (1-3) A.

Study of pertinent problems in health and health education. Includes topics such as: health care delivery, child abuse, teenage pregnancy, community health organizations, elementary school health curriculum, drug education, school and health services, health deviations among students, sexually transmitted diseases, etc. May be retaken once with advisor approval provided subtitle is different.

HEA 791 Women's Health. (3) A. Analysis of the major health problems of contemporary women with special emphasis on health promotion, disease prevention, and consumer health concerns.

HEA 792 Human Sexuality. (3) A. Study of the biological, social, and psychological aspects of human sexuality. Directed primarily toward those individuals in situations, which require them to assist others in understanding the broad impact of one's sexuality. Emphasis is placed upon student development of logical and reasoned justifications for their own value system.

HEA 793 Death and Grief. (3) A. A study of attitudes, behaviors, and issues concerning death and grief. Topics include responses to death and grief

throughout the life cycle; process of grief and bereavement; theology and death; legal aspects of dying; care of the dying; suicide; post-mortem care; death education.

HEA 794 Drug Abuse and Dependency. (3) I, II.

Study of the nature and progression of chemical abuse and dependency, and effects on the individual, family, and society. Includes study of strategies for prevention, intervention, and treatment.

HEA 795 Alcohol Abuse and Dependency. (3) A.

Study of the impact of alcohol related attitudes and behaviors on individuals and society. Includes study of influences on choices about alcohol, behavior change strategies, prevention, intervention, and treatment.

HEA 796 Approaches to Alcohol and Drug Treatment I. (3) I, II.

Prerequisite: HEA 594/794 or HEA 595/795. Understanding and approaches in chemical dependency counseling, using international certification guidelines. Includes: screening, intake, orientation, assessment, intervention, education, referral, record-keeping, HIV, and consultation.

HEA 797 Approaches to Alcohol and Drug Treatment II. (3) I, II.

Prerequisite: HEA 596/796. Understanding and approaches in chemical dependency counseling, as identified in international certification guidelines. Includes: needs, counseling approaches, and ethics regarding special populations.

HEA 798 Health Promotion and Program Planning. (3) I.

An introduction to principles, strategies, and skills, which are necessary for the planning and implementation of health education and health promotion programs in a diversity of settings.

HEA 799 Violence Prevention in Schools and Communities. (3) A.

Exploration of the issues surrounding school and community violence and current strategies for intervention.

HEA 800 Advanced Health Science. (3) A.

Provides students an opportunity to broaden their knowledge of the latest scientific facts and sources of information related to selected health concerns including disease, nutrition, fitness, drug use, family living, and emotional health.

HEA 807 Health: _____. (1-3) A.

Prerequisite: advisor/departmental approval. Independent work, special topics, or seminars. May be retaken under different subtitles. Topics include first aid and safety for teachers, lifestyle and mental health, and health education for elementary teachers.

HEA 810 Human Behavior Change. (3) A.

This course examines selected theories and models of health behavior relevant to health promotion in individuals and communities. Students will analyze biological, psychological, sociological, and environmental influences on behavior, and evaluate strategies for health promotion.

HEA 816 Public Health Organization and Administration. (3) A.

In-depth exploration of the myriad of forces impacting public health organization and administration at local, state, and national level; the relationship between legislative action, effectiveness of public health efforts, and future of public health.

HEA 820 Global Health. (3) II.

Overview of the relationship between epidemiological, economic, political, sociological and cultural factors that impact global health. Special emphasis is on methods of prevention/intervention utilized in coping with health problems on an international level.

HEA 830 Biostatistics. (3) A. This course is an introduction to basic concepts of statistics as applied to public health. Major topics to be covered include descriptive statistics, theoretical distributions, probability, estimation, hypothesis testing, correlation, analysis of variance, and regression.

HEA 840 Research Methods in Community Health. (3) II.

Emphasis will be on identifying a community health research problem, constructing hypotheses, selecting a research design and statistical analyses, and interpreting findings of the study.

HEA 855 Epidemiology and Risk Management. (3) A. A study of the distribution and determinants of disease and injury. Research methodologies for human research, assessment and management of risk disease surveillance techniques will be emphasized.

HEA 875 Seminar in Contemporary Health Problems. (3) A. Opportunity for in-depth study of current health problems and issues utilizing guest speakers as the primary source of information.

HEA 880 Special Projects in Health. (1-3) A. Individual research into a special health problem. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

HEA 897 Thesis. (6) A.

HEA 898 Health Care Delivery. (3) A. This course will provide a general survey of the various health professions, role of comprehensive health planning concepts, and the role of the health professional in the health care delivery system.

HEA 895 Public Health Capstone Seminar. (3) II. Integration and application of competencies acquired through the MPH program to problems likely to be encountered in public health practice. Current challenges, money, politics, and public health ethics, and they impact the profession, are addressed.

HEA 899 Practicum in Community Health. (3) A. Student will be placed in a supervised work environment in community health.

HIS—History

Dr. David Coleman, Chair

HIS 716 Kentucky History. (3) A.

Prerequisite: three hours of HIS or departmental approval. Social, economic and political survey; Kentucky's role in national developments.

HIS 800 Historiography and Criticism. (3) A.

A seminar in the history and theory of historical writing and fundamental techniques of the historian.

HIS 838 Practicum in Public History. (3) A.

Prerequisite: departmental approval. Supervised practice in public history settings. Selective participation varies with the student's program and participation. May be retaken at the discretion of the department. Three credit hours will require approximately 150 hours of employment plus completion of an independent research project over the course of a semester. Maximum of three credit hours may be applied to the M.A. program in history.

HIS 849 Reading and Research. _____.

Independent study in a specific field. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

HIS 860 Readings in American History: _____.

(3) A. Seminar on selected developments in American history. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

HIS 861 Readings in European History: _____.

(3) A. Seminar on selected developments in European history. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

HIS 862 Readings in Asian/African History: _____.

(3) A. Seminar on selected developments in Asian or African history. May be retaken to a maximum of nine hours, provided subject matter differs each time.

HIS 863 Readings in Latin America History: _____.

(3) A. Seminar on selected developments in Latin American history. May be retaken to a maximum of nine hours, provided subject matter differs each time.

HIS 864 Comparative History: _____.

(3) A. Seminar on issues in comparative history. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

HIS 865 Conceptualizing History: _____.

(3) A. Analysis of recent trends in the teaching and conceptualizing of world history, western civilization, and/or U.S. History. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

HIS 899 Thesis. (3-6) A. May be retaken to a maximum of twelve hours.

HIS 899C Thesis Continuation. (3-9) I, II.

Prerequisite: departmental approval. Continuation of research leading to thesis as directed by the chair of the thesis committee. Student must already have registered for six hours of HIS 899. May not be used to satisfy degree program requirement.

HLS—Homeland Security

Dr. Larry Collins, Chair

HLS 800 Homeland Security Policy Analysis. (3) A.

Critical analysis of homeland security including structure and administration of the Department of Homeland Security and related legislation, acts, and presidential directives. Overview of DHS prevention, protection, response and recovery roles.

HLS 810 Critical Infrastructure Protection. (3) A.

Evolution of various critical infrastructures and the quantitative approaches commonly used to evaluate them. Infrastructure protection measures including allocation of limited funding to minimize overall risk.

HLS 820 Intelligence for Homeland Security. (3) A.

Key questions and issues facing the U.S. intelligence community and its role in homeland security and homeland defense. Critical analysis of intelligence disciplines and operations at the federal, state, and local levels.

HLS 830 Hazards & Threats to Homeland Security. (3) A.

Description and analysis of significant hazards and threats to national security, and community safety, such as disasters, catastrophes, accidents, epidemics, technological failures, and terrorism.

INS—Insurance

TBA, Chair

INS 878 Business Risk Management. (3) A.

Analysis and treatment of the non-speculative risks faced by modern business insurance firms, including legal liability and property risks, retention and self-insurance, captive insurers, loss prevention, risk avoidance and transfer, and insurability of business risks.

INT—Industrial Technology

Dr. William E. Davis, Chair

INT 706 Total Quality Control. (3) A.

Prerequisite: INT 202. A study of total quality control as it relates to the integration of all functions and processes within an organization in order to achieve continuous improvement of the quality of goods and services.

INT 730 Design of Experiments. (3) A.

Prerequisite: INT 336. Principles and practices of efficient experiment design for industry. Topics include the philosophy of experiment design, comparison of various designs, hypothesis testing, and the analysis of data.

INT 801 Industrial Value Analysis. (3) A.

Prerequisite: ECO 230. An introduction to topics necessary for making effective manufacturing economic decisions. Quantitative methods and computer applications will be used to formulate decisions relating to manufacturing operations.

INT 802 Productivity Assessment and Analysis. (6) A.

Prerequisite: departmental approval. A study of industrial productivity; its assessment, measurement, analysis and improvements with emphasis upon human productivity, and machine, material, and process productivity.

INT 804 Project Management. (3) A.

Prerequisite: departmental approval. Elements of managing projects including the use of modern project management software.

INT 805 Industrial Operations Research. (3) A.

Prerequisite: departmental approval. Concepts and applications of analytical models in industrial decision-making. Includes general concepts of models and simulation, mathematical programming, game theory, and sequential network logic in determining optional industrial strategies.

INT 820 Industrial Technology Proposal. (3) A.

Prerequisite: departmental approval. An individually developed proposal related to a project typically encountered by a manager in a technical environment. The project proposal is to be approved by the student's graduate advisor.

INT 821 Industrial Technology Project. (3) A.

Prerequisite: INT 820 or departmental approval. An individually developed project related to the solution of a typical problem encountered by a manager in a technical environment. The problem is to be approved by the student's graduate advisor and the results presented in open forum.

INT 822 Industrial Internship. (3-6) A.

Prerequisite: departmental approval. Planned and supervised experience in industry in which the student will have the opportunity to observe and participate in manufacturing management activities. The experience must be for at least one semester and the plan of activities should be approved by the student's graduate committee.

LAS—Paralegal

Dr. Sara Zeigler, Chair

LAS 735 Municipal Law. (3) A.

Prerequisite: LAS 220 or director's approval. Practical legal problems confronting municipal officials including: government and public official liability, ordinances, tax levies, bonding, zoning, soliciting, licensing, open meetings, personnel, cut-back management, elections, and other issues.

LIB—Library Science

Dr. Michael A. Martin, Chair

LIB 701 Literature and Related Materials for Transcendents. (3) A.

A course designed to help teachers and librarians extend their knowledge of authors, literature, and related materials for students 10-14 years of age. Relating of literature to the interests and needs of transcendents and literary criticism are emphasized.

LIB 769 Instructional Media and Technology. (3) I, II.

A course designed to instruct students in the philosophy and techniques of the effective utilization of instructional media and technology.

LIB 800 Organization and Administration of the School Media Center. (3) A.

A course designed to instruct students in the philosophy, objectives, and administration of the media center in elementary and secondary schools.

LIB 802 Literature and Related Materials for Young Adults. (3) A.

A course designed for teachers and school media librarians preparing to work with young adults. Literature and related materials appropriate for supplementing school curricula and encouraging recreational reading among students 15 years and older will be explored.

LIB 805 Advanced Children's Literature. (3) A.

Prerequisite: LIB 301 or comparable course. Characteristics of good reading for children; types and evaluation of literature; use of materials for curricular and leisure needs; correlation of book and non-book materials. For librarians and teachers.

LIB 807 Library Science: _____.

(1-3) A. Prerequisite: advisor/departmental chair approval. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles.

LIB 821 Reference and Bibliographic Services. (3) A. Prerequisite: LIB 800. A course designed to prepare school media librarians to acquire and use information resources needed to support the school curriculum.

LIB 831 Classification of Cataloging. (3) A. Study of the fundamental principles and methods of classifying and cataloging book and non-book materials.

LIB 863 Computer Use and Media Preparation in Library Media Programs. (3) A. Prerequisite: LIB 569/769. This course emphasizes the application of computer tools to library procedures and information access and the design, production, and organization of instructional media.

LIB 870 K-12 School Media Librarian Practicum. (2-4) A. Prerequisite: eighteen hours LIB certification requirements. Experience at two levels (elementary, middle grade, secondary) providing the administrative, instructional, and consultative services required of school media librarians. (One week full-time per credit hours.)

MAR—Marine Sciences
Dr. Melinda Wilder, Director

MAR 703 Marine Invertebrate Zoology. (3) A. Prerequisite: sixteen hours of biology. Corequisite: MAR 703L. Morphology, distribution, and ecology of the phyla Protozoa through Protochordates.

MAR 703L Marine Invertebrate Zoology Laboratory. (3) A. Corequisite: MAR 703.

MAR 704 Parasites of Marine Animals. (3) A. Prerequisite: consent of instructor. Corequisite: MAR 704L. Emphasis on morphology, taxonomy, life histories, and host-parasite relationships.

MAR 704L Parasites of Marine Animals Laboratory. (3) A. Corequisite: MAR 704.

MAR 705 Marine Ecology. (3) A. Prerequisite: sixteen hours of biology. Corequisite: MAR 705L. The relationship of marine organisms to their environment.

MAR 705L Marine Ecology Laboratory. (2) A. Corequisite: MAR 705.

MAR 706 Fauna and Faunistic Ecology of Tidal Marshes, Seagrasses, and Sand Beaches. (2) A. Prerequisite: instructor approval. Corequisite: MAR 706L. Taxonomy, distribution, trophic relationships, reproductive strategies and adaptation of tidal marsh animals.

MAR 706L Fauna and Faunistic Ecology of Tidal Marshes, Seagrasses, and Sand Beaches Laboratory. (3) A. Corequisite: MAR 706.

MAR 707 Marine Aquaculture. (3) A. Corequisite: MAR 707L. Problems and procedures relating to the culture of commercially important crustaceans, fish and mollusks.

MAR 707L Marine Aquaculture Laboratory. (3) A. Corequisite: MAR 707.

MAR 708 Marine Ichthyology. (3) A. Prerequisite: sixteen hours of biology. Corequisite: MAR 708L. Marine fishes including evolutionary relationships, morphology, physiology, and zoogeography.

MAR 708L Marine Ichthyology Laboratory. (3) A. Corequisite: MAR 708.

MAR 709 Marine Microbiology. (3) A. Prerequisite: general microbiology. Corequisite: MAR 709L. An introduction to the role of microorganisms in overall ecology of the oceans and estuaries.

MAR 709L Marine Microbiology Laboratory. (2) A. Corequisite: MAR 709.

MAR 710 Marine Fisheries Management. (2) A. Prerequisite: instructor approval. Corequisite: MAR 710L. An overview of practical marine fishery management problems.

MAR 710L Marine Fisheries Management Laboratory. (2) A. Corequisite: MAR 710.

MAR 720 Marine Phycology. (2) A. Prerequisite: ten hours of biology including botany.

Corequisite: MAR 720L. A survey, based upon local examples, of the principal groups of marine algae.

MAR 720L Marine Phycology Laboratory. (2) A. Corequisite: MAR 720.

MAR 721 Coastal Vegetation. (3) A. Prerequisite: ten hours of biology, including general botany. Corequisite: MAR 721L. A study of general and specific aspects of coastal vegetation, with emphasis on local examples.

MAR 721L Coastal Vegetation Laboratory. (2) A. Corequisite: MAR 721.

MAR 722 Salt Marsh Plant Ecology. (2) A. Corequisite: MAR 722L. The botanical aspects of local marshes; includes plant identification, composition, and structure.

MAR 722L Salt Marsh Plant Ecology Laboratory. (2) A. Corequisite: MAR 722.

MAR 730 Comparative Histology of Marine Organisms. (3) A. Prerequisite: instructor approval. Corequisite: MAR 730L. Histology of marine organisms, including tissue processing techniques.

MAR 730L Comparative Histology of Marine Organisms Laboratory. (3) A. Corequisite: MAR 730.

MAR 741 Marine Chemistry. (3) A. Prerequisite: instructor approval. Corequisite: MAR 741L. Sea water chemistry and cycles and their impact on the marine environment.

MAR 741L Marine Chemistry Laboratory. (1) A. Corequisite: MAR 741.

MAR 743 Environmental Estuarine Chemistry. (3) A. Prerequisites: sixteen semester hours of chemistry; three to six hours of general biology and geology or consent of the instructor. Corequisite: MAR 743L. The study of sources, reactions, transport, effects and fate of chemicals occurring in aquatic environments.

MAR 743L Environmental Estuarine Chemistry Laboratory. (1) A. Corequisite: MAR 743.

MAR 757 Marine Science for Teachers. (3) A. Prerequisite: instructor approval. Emphasis will be placed on measurements and analysis of the marine habitat and ecological relationships.

MAR 758 Marine Science for Elementary Teachers. (3) A. Prerequisite: instructor approval. Corequisite: MAR 758L. Designed to acquaint teachers with marine science concepts.

MAR 758L Marine Science for Elementary Teachers Laboratory. (0) A. Corequisite: MAR 758.

MAR 759 Coastal Ecology for Teachers. (3) A. Prerequisite: instructor approval. Corequisite: MAR 759L. Designed to provide teachers with a background in basic coastal ecology.

MAR 759L Coastal Ecology for Teachers Laboratory. (1) A. Prerequisite: instructor approval. Corequisite: MAR 759.

MAR 782 Coastal Marine Geology. (2) A. Prerequisite: six hours in geology. Inshore and nearshore geological processes, sedimentation patterns, and landforms.

MAR 782L Coastal Marine Geology Laboratory. (1) A. Corequisite: MAR 782.

MAR 790 Special Problems in Marine Science. (1-6) A. Prerequisite: instructor approval. Independent research.

MAR 791 Special Topics in Marine Science. (1-6) A. Prerequisite: instructor approval. Directed study in area for which no formal courses are offered.

MAR 805 Early Life History of Marine Fishes. (2) A. Prerequisites: ichthyology, fisheries, biology, and ecology. Corequisite: MAR 805L. Reproductive strategies and early developmental processes of marine fishes. Role of early stages of fishes in fisheries oceanography, marine ecology, and systematics; methods of sampling, identifying and rearing fish eggs and larvae.

MAR 805L Early Life History of Marine Fishes Laboratory. (2) A. Corequisite: MAR 805.

MAT—Mathematics
Dr. Dirk Schlingmann, Chair

MAT 701 Applications of Mathematics for P-9 Teachers. (3) A. Topics in the application of mathematical models appropriate for teachers of grades P-9. Credit does not apply toward M.S. nor M.A. in Education - Secondary Education option in mathematics, degree requirements.

MAT 702 Geometry with Technology for P-9 Teachers. (3) A. Topics in geometry appropriate for teachers of grades P-9. Credit does not apply toward M.S. nor M.A. in Education - Secondary Education, academic specialization option in mathematics, degree requirements.

MAT 705 Foundations of Mathematics. (3) A. The nature of mathematical thought; logical systems, axiomatic concepts and methods; consideration of the work of Hilbert, Peano, Whitehead, Russell, and others. It is strongly recommended that students have completed an abstract algebra course.

MAT 706 Number Theory. (3) A. Fundamental properties of integers, linear Diophantine equations, linear and quadratic congruences, famous problems of number theory. It is strongly recommended that students have completed a course requiring proof-writing skills.

MAT 707 Seminar in Mathematics: _____. (1-3) A. Topics vary with offering. May be retaken with advisor approval, provided the topics are different. Credit towards degree requirements will depend on the course content.

MAT 725 Vector Analysis with Applications. (3) A. Algebra and geometry of vectors; vector functions of a single variable; line, surface, and volume integrals; divergence Theorem, Stokes' Theorem, Green's Theorem; generalized orthogonal coordinates; Fourier Series; solutions to boundary value problems. It is strongly recommended that students have completed twelve hours of calculus.

MAT 735 Modern College Geometry II. (3) A. The major influence of the axioms of parallelism on geometry, development from axioms and models, Euclidean geometry, absolute geometry, hyperbolic geometry, consistency of postulates. It is strongly recommended that students have completed a geometry course.

MAT 740 Introductory Applied Mathematics. (3) A. Techniques and applications of: vector analysis, matrix theory, linear and autonomous systems of differential equations, special functions, operational methods, Sturm-Liouville theory, Fourier series. It is strongly recommended that students have completed a course in differential equations.

MAT 750 Applications of Complex Analysis. (3) A. Continuity, differentiation, integration, series, residues, and applications to the evaluation of real integrals. Applications of conformal mappings to boundary value problems in heat, electrostatic potential, and fluid flow. Emphasis throughout on computational techniques and applications. Credit will not be awarded to students who have credit for MAT 850. It is strongly recommended that students have completed twelve hours of calculus or eight hours of calculus plus a differential equations course.

MAT 755 Graph Theory. (3) A. Introduction to the theory and applications of graph theory. Topics will include trees, planarity, connectivity, flows, matching and coloring. It is strongly recommended that students have completed a course in abstract algebra or discrete structures.

MAT 760 Point Set Topology. (3) A. An introduction to topology with emphasis on Euclidean and other metric spaces. Mappings, connectivity, compactness, formation of new spaces, relationship to analysis. It is strongly recommended that students have completed a course requiring proof-writing skills.

MAT 803 Number and Geometric Concepts for P-5 Teachers. (3) A. Prerequisite: admission to the MAT program or departmental approval. Numeric and geometric concepts; problem solving with numbers, geometry, and data; reasoning; and connections. Credit does not apply toward the M.S. degree offered within this department. Credit will not be awarded to students who have credit for MAT 202.

MAT 806 Advanced Number Theory. (3) A. Basic concepts from analytic and algebraic number theory including the Prime Number Theorem, Dirichlet's Theorem, the Riemann Hypothesis, algebraic integers, ideals and factorization in algebraic number fields. Additional topics as time permits. It is strongly recommended that students have completed courses in number theory, abstract algebra, and real analysis or differential equations.

MAT 809 Modern Algebra. (3) A. Study of groups, rings, integral domains and fields, including the fundamental isomorphism theorems. It is strongly recommended that students have completed an abstract algebra course.

MAT 810 Modern Algebra II. (3) A. Prerequisite: MAT 809. A continuation of MAT 809 including the study of modules, vector spaces, field theory and Galois theory.

MAT 815 Real Analysis. (3) A. Further study of the concepts introduced in MAT 315. The convergence theorems, Lebesgue measure and measurable functions, the Lebesgue integral, Fourier series, allied topics. It is strongly recommended that students have completed a real analysis course.

MAT 839 Applied Learning in Mathematics. (1-3) A. Prerequisite: departmental approval. May be retaken with approval to a maximum of three credits. Employment with faculty and field supervision in an area related to the student's academic interests. A minimum of eighty hours of employment is required for each academic credit. Credit does not apply towards the M.S. degree requirements.

MAT 839 A-F Cooperative Study: Mathematics. (1-3) A. Prerequisite: departmental approval. May be retaken with approval to a maximum of three credits. Employment with faculty and field supervision in an area related to the student's academic interests. A minimum of eighty hours of employment is required for each academic credit. Credit does not apply towards the M.S. degree requirements.

MAT 850 Complex Analysis. (3) A. The topology of the extended complex plane. The theory of analytic and meromorphic functions including integration, Taylor and Laurent series, Cauchy Integral and Residue Theorems, Argument Principles, Rouche's Theorem, Maximum Modulus Theorems, conformal mappings. It is strongly recommended that students have completed a real analysis course.

MAT 856 Advanced Applied Mathematics. (3) A. Prerequisite: MAT 740 or equivalent. Continuation of MAT 740. Topics may include: partial differential equations, conformal mapping, potential theory, optimization, calculus of variations, integral equations.

MAT 870 Seminar in Secondary Mathematics: _____. (1-3) A. May be retaken to a maximum of nine hours, provided the topics are different. Credit does not apply toward the M.S. degree requirements.

MAT 871 Numerical Analysis. (3) A. Computer arithmetic. Analysis of errors and stability of well-posed problems. LaGrange, Hermite and spline interpolation. Newton-Cotes, Romberg, and Gaussian quadrature. Consistency, convergence, and stability of numerical integration methods for ordinary initial value problems. Finite difference and shooting methods for two-point boundary value problems. It is strongly recommended that students have completed a real analysis course and have experience with a programming language.

MAT 872 Advanced Numerical Analysis. (3) A. Prerequisite: MAT 871 or equivalent. Continuation of MAT 871 with greater depth. Least

squares and minimax approximation, direct and iterative solutions of linear systems, zeros, extrema by iteration, eigenvalue problems.

MAT 880 Seminar in: _____. (1-3) A. Advanced topics in Mathematics. May be retaken to a maximum of six hours, provided the topics are different. Credit towards degree requirements will depend on the course content.

MAT 890 Independent Study in: _____. (1-3) A. Prerequisites: An 800-level course and departmental approval. Independent study on a problem chosen by the student and instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of nine hours, provided the topics are different.

MAT 899 Thesis in: _____. (1-6) A.

MGT—Management TBA, Chair

MGT 821 Survey of Management. (3) II. The functions of planning, organizing, leading and controlling the organization. Includes an introduction to concepts of organization behavior and organization theory as applied to the domestic/international business environments.

MGT 850 Leading and Managing Organizations. (3) I. Prerequisite: MGT 300 or MGT 821 or equivalent with a minimum grade of "B-." Advanced study of the issues and personal skills required to effectively lead and manage individuals, teams, and the organization. Topics include acquiring, energizing, and utilizing human capital in a global, competitive environment.

MGT 854 Advanced Management Concepts. (3) A. Prerequisite: MGT 821 or equivalent. Examines the evolution of management concepts and philosophies. An analysis of the contributions of various philosophies toward the synthesis of an eclectic philosophy of management.

MGT 856 Advanced Integrated Resource Management. (3) A. Prerequisite: ECO 848 or equivalent. Operations and production decision making utilizing quantitative techniques; emphasis on problem formulation and modeling, resource allocation, linear programming, inventory control, queuing theory, and simulation. Credit will not be awarded to students who have credit for INT 805.

MGT 860 Seminar in Human Resource Management. (3) A. Prerequisites: MGT 821 or equivalent and MGT 320. Advanced study of contemporary topics related to the effective management of human resources. May be retaken under different subtopics to a cumulative maximum of six hours.

MGT 865 Seminar in Global Management. (3) A. Prerequisite: MGT 850. Advanced study of the management of global or multinational organizations, with emphasis on areas of problems and managerial control techniques.

MGT 890 Independent Study in Management. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics to a cumulative maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

MKT—Marketing TBA, Chair

MKT 825 Survey of Marketing. (3) II. Survey of marketing concepts. Major marketing institutions, the marketing mix, and environmental forces are examined. International and societal approaches weighted significantly. Case studies and outside reading reports are used to extend and demonstrate concepts.

MKT 850 Marketing Management. (3) I. Prerequisite: MKT 300 or MKT 825 or equivalent with a minimum grade of "B-" and QMB 850. Focus on evaluation of marketing plans including current business and social trends. Oriented toward: developing an understanding of marketing problem definition and analysis; market segmentation and targeting; marketing mix strategy; primary and secondary data sources.

MKT 851 E-Commerce Marketing Strategies. (3) A. Prerequisite: MKT 850 or equivalent. Study of marketing strategies as created for and implemented on the Internet's World Wide Web and other computer mediated environments. Evaluation of contribution of marketing to development of e-commerce and evolution of offline marketing systems.

MKT 852 Marketing Research and Analysis. (3) A. Prerequisite: MKT 825. The role of research in marketing decision-making: the research process, with emphasis on collection, analysis, interpretation, and management of data as applied to solving marketing problems. Students are required to do a research project.

MKT 854 Global Marketing Strategies. (3) A. Prerequisite: MKT 850. Examination of marketing management within the international environment, with particular emphasis on the analysis of cases which illustrate international and global marketing decision-making.

MKT 880 Contemporary Issues in Marketing. (3) A. Prerequisites: MKT 850 and advisor/departmental approval. May be retaken under different subtopics to a cumulative maximum of six hours. Selected topics in contemporary marketing issues.

MKT 890 Independent Study in Marketing. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics to a cumulative maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

MUS—Music Mr. Robert James, Chair

MUS 712 Piano V. (1-4) I, II. May not be taken for credit by piano majors.

MUS 713 Techniques of Accompanying. (1) I, II. Practical training in the tradition, interpretation, and execution of accompaniments. May be retaken to a maximum of two hours.

MUS 720 Diction for Singers. (1) A. For voice, education, and choral conducting students. Enunciation and projection; accurate pronunciation in German and French. Phonetics and the International Phonetic Alphabet.

MUS 722 Voice V. (1-4) I, II. May not be taken for credit by voice majors.

MUS 742 Organ V. (1-4) I, II. May not be taken for credit by organ majors.

MUS 750 Teaching Techniques. (1 or 2) A. Analysis of current teaching methods and materials with the intention of developing sound teaching procedures. May include observation and performance. Topics in woodwinds, brass, percussion, strings, voice, piano, and organ. May be retaken to a maximum of two hours.

MUS 751 Performance Literature. (1 or 2) A. Literature for various performing media relative to performance practices and problems. Topics in woodwinds, brass, percussion, strings, voice, piano and organ. May be retaken to a maximum of two hours.

MUS 754 Band Literature. (2) A. Designed to acquaint the student with European origins of the modern band; history of band music; and literature for the contemporary band.

MUS 755 Symphonic Music Literature. (3) II. Prerequisite: MUS 371 and 372. Evolution of the symphony from its beginning to the 20th century with emphasis on score reading and listening.

MUS 756 Choral Music Literature. (3) I.
Prerequisite: MUS 371 and 372. Survey of choral music literature from the 15th century to the present.

MUS 764 Advanced Instrumental Conducting. (2) A. Prerequisite: MUS 367 or equivalent. Development of skills in score reading, preparation, interpretation, and conducting of representative orchestra or band works.

MUS 765 Advanced Choral Conducting. (2 or 3) A. Prerequisite: MUS 368 or equivalent. Development of skills in score reading, preparation, interpretation, and conducting of representative choral works.

MUS 786 Workshop in Instrumental Music. (1-4) A. Topics in band or orchestra procedures. May be retaken to a maximum of four hours.

MUS 788 Pedagogy of Theory. (2) A.
Comparative study of theory systems with emphasis on presentation and illustrative exercises dealing with related theoretical problems.

MUS 789 Workshop in Choral Music. (1-4) A. Techniques, literature, and materials pertinent to a particular area or areas of preparation and performance of choral music. Topics to be announced. May be retaken to a maximum of four hours.

MUS 805 Chamber Music. (.5) A. May be retaken to a maximum of one hour.

MUS 812 Piano. (1-5) I, II. Prerequisite: MUS 412. Four years or equivalent, as demonstrated by the student's proficiency in piano. May be retaken.

MUS 822 Voice. (1-5) I, II. Prerequisite: MUS 422. Four years or equivalent, as demonstrated by the student's proficiency in voice. May be retaken.

MUS 824 Madrigal Singers. (1) I, II.
Rehearsal and performance of literature of the Madrigal. Course open by audition only. May be retaken to a maximum of four hours credit.

MUS 825 Concert Choir. (1) I, II. Rehearsal and performances of choral literature. May be retaken.

MUS 826 University Singers. (1) I, II. May be retaken to a maximum of two hours.

MUS 827 Opera Workshop. (1) I, II.
Prerequisite: instructor approval. Preparation and presentation of opera scenes and complete works. All phases of performance and technical procedures of staging, costumes, and management.

MUS 832 String Instruments. (1-5) I, II.
Prerequisite: MUS 432. Four years or equivalent as demonstrated by the student's proficiency on string instruments. Graduate applied instruction in violin, viola, violoncello, string bass, or viola da gamba. May be retaken.

MUS 835 Orchestra. (1) I, II. May be retaken to a maximum of two hours.

MUS 842 Organ. (1-5) I, II. Prerequisite: MUS 442. Four years or equivalent, as demonstrated by the student's proficiency on organ. May be retaken.

MUS 845 Brass Instruments. (1-5) I, II.
Prerequisite: MUS 445. Four years or equivalent, as demonstrated by the student's proficiency on brass instruments. Graduate applied instruction in cornet and trumpet, French horn, baritone horn, trombone, or tuba. May be retaken.

MUS 846 Woodwind Instruments. (1-5) I, II. Prerequisite: MUS 446. Four years or equivalent, as demonstrated by the student's proficiency on woodwind instruments. Graduate applied instruction in flute, oboe, clarinet, bassoon, or saxophone. May be retaken.

MUS 847 Percussion. (1-5) I, II.
Prerequisite: MUS 447 or equivalent, as demonstrated by the student's proficiency in percussion. May be retaken.

MUS 850 Small Ensembles. (.5) I, II. May be retaken to a maximum of one hour.

MUS 851 Advanced Woodwind Techniques. (3) A. Prerequisites: MUS 351 and 352 or instructor approval. Techniques, literature and pedagogical approaches to teaching woodwind instruments in public schools.

MUS 855 Band. (1) I, II. May be retaken to a maximum of two hours.

MUS 872 Seminar in Music History. (1-3) A. Intensive study of a specific historical era, genre, or composer. Topics studied in this sequence: Medieval, Renaissance, Baroque, Classical, Romantic, Contemporary. Additional topics announced. May be retaken to a maximum of six hours, provided the subject matter differs.

MUS 878 Foundations of Music. (3) A.
Historical and philosophical foundations of music and music pedagogy. Diverse trends are compared with emphasis on materials and personal development in music for the general music specialist.

MUS 880 Advanced Choral Interpretation. (2) A. Application of advanced choral techniques related to performance practice and interpretation through analysis and score reading.

MUS 883 Seminar in Choral/Instrumental Conducting. (2) A. Techniques in the preparation, conducting, and performance of choral/instrumental music. Survey of high school and college choral or instrumental literature.

MUS 884 Advanced Theory Survey. (3) A.
Prerequisite: instructor approval. Intensive work in part-writing and structural analysis.

MUS 885 Psychology of Music. (3) A.
Reactions to musical stimuli; musical aptitude and achievement; application of psychological theories to musical learning.

MUS 886 Advanced Counterpoint. (3) A.
Prerequisite: MUS 481 or equivalent, or instructor approval. Continuation of MUS 481; compositions of the late Baroque, including canon, passacaglia, and chorale prelude.

MUS 887 Analytical Techniques I. (3) A.
Prerequisite: MUS 884 or equivalent. Significant forms, procedures, and compositional devices relevant to the major stylistic periods from the Renaissance to the Contemporary.

MUS 888 Analytical Techniques II. (3) A.
Prerequisite: MUS 887 or equivalent. A more intense and specialized study of the compositional devices of important composers from Renaissance to Contemporary. Study material is partially determined by student's area of interest.

MUS 889 Advanced Composition. (2) A.
Prerequisite: MUS 483 or equivalent, or approval of instructor. Continuation of MUS 483. May be retaken to a maximum of four hours.

MUS 896 Special Project in Theory/Composition, Conducting, or General Music. (3) A.
Prerequisite: MUS 556 or MUS 756 Choral Conducting option only. Requirement for the Master of Music options in theory/composition, choral conducting and instrumental conducting. May be elected by other Master of Music options. May be fulfilled by theory project, composition, analytical paper, or recital.

MUS 897 Graduate Recital. (2 or 3) A.

MUS 898 Research in Music and Music Education. (3) A. Research techniques appropriate to music and music education; principles of research design; organization of the research report; analysis of representative research.

MUS 899 Thesis. (3) A.

NFA—Nutrition, Foods, and Foodservice Administration
Dr. Diane Leggett, Chair

NFA 700 Nutrition Concepts and Issues.

(3) A. Fundamental principles of human nutrition and their application in meeting nutritional needs of all ages. Not open to dietetic or foodservice administration majors.

NFA 705 Maternal and Infant Nutrition.

(3) A. Prerequisite: NFA 201. Nutritional requirements prior to and during pregnancy, lactation, and infancy. Survey the effects of dietary toxicants, deficiency, and excesses of nutrients. Field experience.

NFA 707 Child and Adolescent Nutrition.

(3) A. Prerequisite: NFA 201. Nutritional needs, problems, dietary habits, and motivations of the toddler through adolescent years. Field experience.

NFA 709 Nutrition and Aging. (3) A.

Prerequisite: NFA 201. The theories of causing aging; nutritional requirements; dietary intakes and effects of nutrition on the rate of biological aging. Field experience.

NFA 717 Sports Nutrition. (3) A.

Prerequisite: NFA 201 or NFA 500/700. Relationship of nutrition to optimal sports performance, needs, and nutritional strategies during training, conditions requiring special consideration, controversial and potentially dangerous nutritional practices of athletes.

NFA 800 Nutrition Topics. (1-3) A. A study of selected issues confronted in the Community Nutrition Program. May be retaken to a maximum of six hours provided the subject matter differs each time.

NFA 801 Advanced Nutrient Study. (3) A.

Prerequisite: NFA 401. Critical review of human nutritional requirements and relation of diet to human health and well-being, with in-depth study of nutrient-drug interrelationships, nutrient needs of high-risk groups, the chronically ill, and other high stress groups.

NFA 802 Advanced Diet Therapy. (3) A.

Prerequisite: NFA 302 or 402. Advanced work in preparation and use of diets for the medical care of patients in hospital ward, outpatient clinic, or public health facility.

NFA 804 Nutrition Assessment. (3) A.

Prerequisite: NFA 301 or CHE 330 or instructor approval. Evaluation of biochemical, anthropometrical, and descriptive research methods used to assess nutritional adequacy of vitamins and other nutrients in humans, including accuracy of methods, specificity, ease of use, apparatus required, and applicability to nutrition surveys.

NFA 810 Problems in Nutrition. (3) A.

Prerequisite: NFA 201 or NFA 500/700. Ways of dealing effectively with nutrition concepts as they apply to everyday living.

NFA 811 Advanced Community Nutrition.

(3) I. An in-depth study of the history, legislation, and guidelines of community nutrition/health programs, functions of the public health nutritionist as a counselor, consultant, educator, and communicator. Introduction to community assessment and program planning. Field experience.

NFA 816 Special Problems in Nutrition.

(1-3) A. Prerequisites: NFA 401 and instructor approval. The student chooses a problem and works under the supervision of an instructor. May be retaken to a maximum of six hours provided the topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

NFA 820 Community Nutrition

Administration. (3) II. Prerequisite: NFA 811. Introduction to health administration, focusing on organizational structure, budget, personnel, legal aspects, public relations, and interorganizational relationships directed toward the public health nutritionist's role as program manager, planner and evaluator. Field experience.

NFA 825 Obesity and Eating Disorders. (3)

A. An examination of the prevalence, physiology, and health consequences of obesity and eating disorders. Program design and analysis of treatment options will also be examined.

NFA 830 Dietetic Internship-Medical Nutrition Therapy and Foodservice Management Rotations. (6) A. Prerequisite: advisor approval. Work under faculty field preceptors to accomplish American Dietetic Association Dietetic Internship Curriculum. Experiences will include a medical nutrition therapy, foodservice management, and specialized clinical rotation.

NFA 831 Dietetic Internship-Community Nutrition Rotation. (6) A. Prerequisite: advisor approval. Work under faculty field preceptors to accomplish American Dietetic Association Dietetic Internship Curriculum. Experiences will include a community nutrition rotation in addition to a comprehensive public health assessment and evaluation project.

NFA 835 Community Nutrition Practicum. (6) I, II. Prerequisites: NFA 811, 820 or concurrent enrollment or advisor approval. Requires 320 hours observation in selected nutrition programs at local, state, or federal level. Experience under supervision of a registered dietitian. Comprehensive community assessment and analysis of the country/city worked in is also required.

NFA 841 Volume Foodservice Management. (3) A. Prerequisite: NFA 445 or departmental approval. An examination of foodservice management, production, and administration with emphasis on volume foodservice. Field experience.

NFA 850 Nutrition, Foods, and Foodservice Administration Workshop: _____. (1-3) A. Current trends, topics, and issues in nutrition, food, and foodservice administration. May be repeated to a maximum of six hours providing topics vary.

NSC—Nursing **Dr. Judy Short, Chair**

NSC 700 Early Childhood Healthcare. (3) A. Prerequisite: education major or permission of instructor. Focuses on the development of competencies necessary for health management of young children (ages birth to five years) with special health care needs. Appropriate for non-health care professionals in the community or classroom.

NSC 800 Advanced Practice. (1-6) A. Advanced practice clinical experience. Students will retake for the minimum number of hours required for their specialty option.

NSC 830 Advanced Pharmacology. (3) A. Prerequisite: admission to MSN program or department approval. Application of pharmacotherapeutic principles to the treatment and management of conditions within the scope of advanced nursing practice and frequently encountered in the rural primary health care setting.

NSC 832 Advanced Health Assessment. (3) A. Prerequisite: admission to MSN program or department approval. Emphasis is on the advanced skills necessary for Advanced Practice nursing in assessing the health status of clients from across the life span. Diagnostic reasoning and systems approach will be emphasized.

NSC 834 Advanced Pathophysiology. (3) A. Prerequisite: admission to the MSN program or department approval. Application of advanced principles of pathophysiology to the diagnosis and treatment of conditions within the scope of advanced nursing practice and frequently encountered in the rural primary health care setting.

NSC 836 Advanced Health Promotion for APNs. (3) A. Prerequisite: admission to the MSN program. Emphasis on advanced skills of planning health promotion programs for client populations. Program planning principles are incorporated within the nursing process to address health concerns of the community.

NSC 838 Topics for Advanced Practice: _____. (1-6) A. Selected topics will be offered as appropriate for enhancement of advanced practice nursing role. May be retaken under different topics for a maximum of six credit hours.

NSC 840 Nursing Theory. (3) A. Prerequisite: admission to the MSN program or department approval. Provides a basic understanding of the process of theory construction and an appreciation of the role that theory plays in providing a scientific basis for nursing.

NSC 842 Advanced Nursing Practice Issues. (3) A. Prerequisite: admission to the MSN program or department approval. Analysis of professional issues and strategies, which can facilitate the development of the nursing profession. Consideration of selected variables influencing the development and resolution of issues.

NSC 844 Nursing Education I. (3) A. Prerequisite: NSC 840. Analyze and critically evaluate curriculum and education theory utilized in nursing education, with an emphasis on curriculum development and teaching-learning theory.

NSC 846 Nursing Education II. (3) A. Prerequisite: NSC 844. Analyze and utilize teaching strategies, evaluation methods, and documentation methods for nursing education in classroom and clinical settings.

NSC 848 Nursing Education III. (3) A. Prerequisites: NSC 844 and 846. A synthesis of education theory, curriculum theory, teaching strategies, nursing faculty role development activities, and evaluation methods for nursing education in classroom and clinical settings.

NSC 850 Rural Health Nursing I. (3) A. Prerequisite: admission to the MSN program. Corequisite: NSC 800. Concepts, theories, specific challenges related to the delivery of health services in rural communities. In-depth assessment of complex rural systems.

NSC 852 Rural Health Nursing II. (3) A. Prerequisite: NSC 850 with a minimum grade of "B." Corequisite: NSC 800. Innovations to address the health needs of vulnerable populations within rural communities. Role preparation for advanced practice nursing, including application of concepts and theories in rural settings.

NSC 854 Management of Health Care for APNs. (3) A. Prerequisite: admission to MSN program or department approval. Theoretical basis for the advanced practice nurse's role in management of health care in rural settings. Strategies for the improvement of health care in rural settings will be analyzed.

NSC 860 Rural Nursing Administration. (3) A. Prerequisite: NSC 854. A synthesis of leadership, management and public health nursing theory applied to the role of the advanced practice nurse in the administration of rural health systems. Includes problem resolution and analysis of alternative approaches.

NSC 862 Rural Health Internship. (3) A. Prerequisites: NSC 850 and 852, each with a minimum grade of "B" and four hours of NSC 800. Internship allows the student to apply advanced knowledge and skills in implementing the role of an advanced practice rural health care nurse. Seminar promotes synthesis of rural health nursing knowledge.

NSC 870 Rural Health FNP I. (3) A. Prerequisites: NSC 830, 832, 834, each with a minimum grade of "B" and NSC 840 and HEA 855. Corequisite: NSC 800. Course provides theoretical and diagnostic knowledge necessary to confront problems relevant to the health care of individuals across the life span. Emphasis on health promotion, disease prevention and management of common health problems.

NSC 872 Rural Health FNP II. (3) A. Prerequisites: NSC 870 with a minimum grade of "B." Corequisite: NSC 800. Theoretical and diagnostic knowledge necessary to confront problems relevant to the health care of individuals across the life span. Emphasis on health promotion, disease prevention, and management of common health problems. Builds on NSC 870.

NSC 874 Rural Health FNP III. (3) A. Prerequisite: NSC 872 with a minimum grade of "B." Corequisite: NSC 800. Theoretical and diagnostic knowledge necessary to confront problems relevant to the health care of individuals across the life span. Emphasis on health promotion, disease prevention and management of common health problems. Builds on NSC 872.

NSC 876 Rural Health FNP Internship. (6) A. Prerequisites: NSC 870, 872, 874, each with a minimum grade of "B" and nine hours of NSC 800. Course allows synthesis of theoretical and diagnostic knowledge in a concentrated rural primary care practicum. Emphasis on health promotion, disease prevention and management of common health problems in individuals and families across the life span.

NSC 880 Rural PMHNP I. (2) A. Prerequisites: NSC 830, 832, 834, each with a minimum grade of "B," and NSC 840 and HEA 855. Corequisite: NSC 800. Prerequisite/Corequisite: NSC 881 with a minimum grade of "B." Theoretical and diagnostic knowledge necessary to diagnose and treat psychiatric disorders of adults. Competencies in working with individuals are developed. Credit will not be awarded to students who have credit for NSC 881.

NSC 881 Applied Psychopharmacology. (2) A. Prerequisite: NSC 830, NSC 832, and NSC 834, each with a minimum grade of "B." Applies theoretical and diagnostic knowledge related to prescribing psychopharmacological treatment of psychiatric disorders in adults. Credit will not be awarded to students who have credit for NSC 880 or NSC 882.

NSC 882 Rural PMHNP II. (3) A. Prerequisite: NSC 880 and 881, each with a minimum grade of "B." Corequisite: NSC 800. Theoretical and diagnostic knowledge necessary to diagnose and treat psychiatric disorders of adults. Competencies in working with families are developed. Credit will not be awarded to students who have credit for NSC 881.

NSC 884 Rural PMHNP III. (3) A. Prerequisite: NSC 882 with a minimum grade of "B." Corequisite: NSC 800. Theoretical and diagnostic knowledge necessary to diagnose and treat psychiatric orders of adults. Group skills, community resources and the context of professional practice are examined.

NSC 886 Rural PMHNP Internship. (6) A. Prerequisite: NSC 884 with a minimum grade of "B" and seven hours of NSC 800. Synthesis of theoretical and diagnostic knowledge to promote mental health, maintain mental health, and prevent mental illness. Systematically examines opportunities for improving PMHNP practice.

NSC 890 Research in Rural Nursing. (3) A. Prerequisite: NSC 840. Analysis and critical evaluation of nursing and related research with emphasis on designs and methods appropriate for rural health nursing phenomena.

NSC 892 Research Project. (3) A. Prerequisite: NSC 890. Completion of a research project in an area of interest related to rural health nursing, which culminates in a written report.

NSC 895 Independent Study in Nursing. (1-6) A. May be retaken under different subtopics to a cumulative maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

OHO—Ornamental Horticulture **Dr. Bruce Pratt, Chair**

OHO 807 Advanced Technical Study in Horticulture Problems. (1-3) A. Prerequisite: advisor/departmental chair approval. Independent work, workshop, special topics, research problems, or seminars. May be retaken to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

OTS—Occupational Therapy
Dr. Colleen Schneck, Chair

OTS 715 Early Childhood Sensorimotor Development. (3) A. Prerequisite: education major or degree or instructor's approval. Provides an overview of normal sensorimotor development in infants and young children. Includes contrasting normal/abnormal development and application of appropriate developmental tasks. Laboratory experiences will be provided.

OTS 720 Providing Health Services in Appalachia. (3) A. Prerequisite: departmental approval. An analysis of development and delivery of health care services in Appalachia. Examination of relevant current and historical factors, which have an impact on the health of the Appalachian people.

OTS 802 Constructs of Occupation. (6) A. Prerequisite: admission into the Occupational Therapy graduate program. Analysis and synthesis of occupational constructs and contexts using anatomy, neuroscience, and personal construction through the lifespan. Content includes engagement in areas of occupation.

OTS 820 OBP I: Fundamentals. (4) A. Corequisite: OTS 821. Foundational knowledge in occupation based practice. Assessment and intervention skills necessary to provide occupational therapy services. Course themes are occupational therapy philosophy, theory, context, process, and reasoning. Active learning experience in the community.

OTS 821 Practice Seminar I. (2) A. Corequisites: OTS 820 and OTS 822. Integration of occupation-based practice through reflection on curriculum themes, participation in a continuum of community learning experiences, exploration of Level II Fieldwork and development of a professional student portfolio.

OTS 822 OBP II: Health Systems. (4) A. Corequisite: OTS 821. Lecture and lab to include theories, principles and methods of evaluation, intervention and outcome processes for individuals accessing health systems. Course will focus on engagement in occupation to support participation in life roles across the lifespan.

OTS 825 Technology and Rehabilitation. (3) A. Prerequisite: computer literacy or departmental approval. Advanced exploration of occupational therapy knowledge and skill about assistive technology. Emphasis on application and use of assistive technology to enhance occupational performance of individuals with disabilities.

OTS 830 OBP III: Educational Systems. (4) A. Prerequisites: OTS 820 and OTS 822. Corequisite: OTS 831. Occupation-based assessment and intervention for children and young adults in educational contexts. Course addresses models of practice, service delivery, federal/state legislation and philosophy of administration. Active learning experiences in the community.

OTS 831 Practice Seminar II. (2) A. Prerequisite: OTS 821 or Corequisites: OTS 830 and OTS 832. Integration of occupation-based practice through reflection on curriculum themes, participation in community-based learning in educational and social settings, preparation for Level II Fieldwork and ongoing development of a portfolio.

OTS 832 OBP IV: Social Systems. (4) A. Corequisite: OTS 831. Theories, principles and methods of evaluation, intervention and outcome processes for individuals and groups assessing social systems through the lifespan. Course will focus on engagement in occupation for community participation.

OTS 834 Advanced Dimensions OBP V. (3) A. Prerequisite: permission of department. Advanced conceptualization and synthesis of Occupational Science and existing models of Occupational Therapy for practice. Includes analysis and application of occupation-based practice and evidence within specialty areas.

OTS 835 Occupational Therapy Intervention in the Workplace. (3) I, II, A. Prerequisite: OTS 820 or departmental approval. Exploration of the direct and indirect service roles and functions of the occupational therapist in the workplace. Emphasis will be on the work-related behaviors and environmental assessments for health promotion, prevention and work adjustment.

OTS 845 Health Systems Fieldwork. (6) II. Prerequisite: Successful completion of all didactic coursework or department approval. Equivalent of twelve weeks of supervised fieldwork experience designed to promote clinical reasoning, professionalism and competence in providing occupation-based intervention in health systems. Includes on-line reflective seminar.

OTS 846 Professional Fieldwork I. (3-5) A. Prerequisite: Successful completion of all didactic coursework or department approval. Equivalent of six to ten-week community experience in a traditional or emerging setting providing opportunity to refine practice skills, participate in professional service, and scholarly activities.

OTS 847 Professional Fieldwork II. (1-3) A. Prerequisite: Successful completion of all didactic coursework or department approval. Equivalent of a two to six-week experience in traditional or emerging setting(s) providing opportunity to participate in and disseminate professional service and scholarly contributions.

OTS 850 Planning and Managing in OT Practice. (3) A. An OT perspective of management including: organizational theory, strategic planning, leadership, formulating decisions, consultation, political advocacy, health and social policy. Development of practice models including program evaluation based on agency, systems or community needs.

OTS 851 Strategic Communication in Occupational Therapy. (3) A. Prerequisite: undergraduate/graduate course in administration or consent of instructor. Study of change theory and factors affecting communication in practice settings.

OTS 852 OT Services in Mental Health Settings. (3) A. Prerequisite: OTS 820 or departmental approval. Examination of external forces influencing mental health services and models of occupational therapy service delivery, emphasizing community-based and rural health programs.

OTS 853 Leadership in Human Services. (3) A. Focus on the development and application of leadership skills, including transformational and transactional leadership. Students will demonstrate development of their own leadership skills through a major project.

OTS 855 The Role of OT & the Aging Adult. (3) A. Prerequisite: OTS 820 or departmental approval. Advanced study of occupational therapy's role in delivering services to the aging adult in emerging/innovative programming. Identification and analysis of factors which promote/hinder quality of life.

OTS 862 Therapeutic Modalities in OT Practice. (3) A. Address occupational therapy theoretical principles, neurophysiological and electrophysical changes that occur as a result of the application of selected physical and electrical

modalities. Students will develop skill in the application of these modalities.

OTS 863 Occupation and Sensory Processing. (3) A. Understanding the impact of sensory processing disorders on occupational natures will enable students to provide appropriate intervention. Occupational adaptation and sensory integrative theories will be applied as conceptual frameworks for occupational therapy intervention.

OTS 864 OT in Early Childhood Programs. (3) A. Course is designed to acquaint students with early intervention and preschool environments, and the role of occupational therapy in these environments.

OTS 865 Occupational Therapy Services in the School System. (3) A. In-depth study of school-based occupational therapy. Theories, principles, models of practice, and methods of occupational therapy delivery of services for students experiencing dysfunction in educational performance, within the context of state and federal laws.

OTS 866 OT & Behavior Disorders in Schools. (3) A. Prerequisite: OTS 820 or departmental approval. Examination and application of occupational therapy theoretical models used in evaluation and intervention for this population and the external systems affecting service delivery.

OTS 870 Professional Trends and Issues in OT. (3) I, II. Trends and issues impacting the occupational therapy profession. Advancement of professional roles of consultant, entrepreneur, educator, leader and researcher.

OTS 871 Professional Seminar II. (3) A. Students assume leadership in learning communities, complete professional portfolios and participation in professional learning experiences.

OTS 875 Special Topics: _____. (1-3) A. Prerequisite: undergraduate degree in occupational therapy or departmental approval. May be retaken under different subtopics to a cumulative maximum of six hours. Advanced study of selected topics in occupational therapy practice.

OTS 880 Research in Occupational Therapy. (3) I, II, A. Prerequisite: undergraduate or graduate course in statistics (STA 270 or STA 271 or PSY 291 or STA 700). Exploration, critical analysis and application of research and evidence-based practice in occupational therapy. Emphasis on preparation and implementation of a research study.

OTS 882 Advanced Occupational Science. (3) A. Exploration of occupational science as a disciplinary knowledge base and of occupation and activity as the central concepts of occupational therapy. Emphasis on preparation for teaching and research related to occupation.

OTS 890 Independent Study in OT. (3) I, II, A. Prerequisite: advisor/departmental approval. Student initiated directed study. Regular consultation with faculty supervisor and final paper required. May be retaken under different subtopics to a cumulative maximum of six hours. Approval of independent study proposal by faculty supervisor and department chair must occur prior to enrollment.

OTS 895 Special Project Proposal in OT. (3) I, II, A. Prerequisite: OTS 880. Development of special project proposal in a specific area of practice in occupational therapy. Student must have proposal form approved by instructor and department chair prior to enrollment.

OTS 896 Non-Thesis Contribution. (3) A. Completion of a major investigative project in a specific area of practice of occupational therapy. Major paper required. Student must have the project form approved by instructor and department chair prior to enrollment.

OTS 898 Thesis I. (3) I, II, A. Proposal development leading to thesis as directed by chair of thesis committee.

OTS 899 Thesis II. (3) A. Research leading to thesis as directed by chair of thesis committee.

OTS 899-C Thesis/Project Continuation. (1-3) I, II, A. Prerequisite: advisor/departmental approval. Continuation of research leading to thesis/special project as directed by the chair of student's committee. May be retaken as necessary to complete research. May not be used to satisfy degree program requirements.

PHE—Physical Education
Dr. Jack Rutherford, Chair

PHE 730 Sports Information Programs (3)

I. Study of the role and function of the sports information director. Includes public relations techniques applied to sports information; press releases, publications programs, office and staff organization, time utilizations, news media, and formats.

PHE 762 Adapted Physical Activity. (3) I,

II. Principles and practices of adapted physical education emphasizing the physical activity needs of people with disabilities. Emphasis will be placed on the importance of physical activity, recent legislation, assessments, individual education plans, and adapting activities.

PHE 775 Tests and Measurements in Physical Education. (3) I, II. Administration and scoring of tests, evaluation and use of results obtained.

PHE 790 Special Topics in Physical Education. (1-4) A. Study of various topics in physical education and sport selected to meet special student needs and interests. May be retaken to a maximum of six hours with advisor's approval provided subtitle is different.

PHE 800 Research Methods in Health/Physical Education/Recreation. (3) I. Application of research methods to health/physical education/recreation with emphasis on consumption of research, methods of research, and tools and instrumentation for research in health/physical education/recreation.

PHE 805 Including Dance in the P-12 Curriculum. (3) A. The course teaches the basic dance concepts and skills that are to be covered in the P-12 school curriculum. Teachers of all levels and specialties learn how to include dance in their own curriculum. Folk/social, ethnic and art forms of dance are covered. No previous dance experience is necessary.

PHE 810 Financial Aspects of Sport. (3) A. Study of the principles, practices, and theories associated with finance planning and management of enterprises engaged in the provision of sport related services and/or products. Topics include budget planning and preparation, preparing and analyzing financial statements, revenue sources, money management, preparation of business plans and feasibility studies.

PHE 812 Lifetime Fitness and Wellness. (3) A. Philosophical and factual basis for lifetime fitness for professional fitness leaders. Problem-solving and decision-making approaches to establish creative and effective programs.

PHE 814 Sport Marketing, Promotions, and Fund Raising. (3) I, A. Marketing, promotion, and fund raising within the context of amateur and professional sport. An overview of sport business industry; theory; pricing, distribution, and promotional technique of sport; media relations; endorsement and sponsorships; and licensing.

PHE 821 Physiological Bases of Physical Fitness. (3) I. Effects of chronic exercise on neuromuscular, cardiovascular, respiratory, and metabolic function.

PHE 822 Sociology of Sport. (3) II. Meaning of sport in contemporary societies; relationship of selected social factors on development of social groups and attitudes in varying levels of sport; structure and function of sport in simple and complex social institutions.

PHE 823 Sport and Exercise Psychology. (3) I. Scientific study of people and their behavior in sport and exercise contexts and the practical applications of that knowledge.

PHE 825 Policy and Governance of Sport. (3) I, II. An in-depth study of major sport governing agencies including organizational structure, constitutions, policies, procedures, and membership requirements of sport agencies at the state, national, and international levels.

PHE 831 Laboratory Methods in Exercise Physiology. (3) II. Prerequisite: PHE 821 or instructor approval. Study, practice and applications of methods of calorimetry; anthropometry; measurement of muscular strength, muscular endurance and cardiovascular-respiratory endurance; analysis of expired air; and determination of reliability and validity.

PHE 833 Motor Development. (3) A. Examination of physical activity as a factor in growth and development of children and adolescents. Including biological and behavioral science as the foundation for integrated study of physical growth, motor development, and physical activity.

PHE 835 Legal Issues in Sport. (3) II. Principles and concepts of sport in contemporary society with primary emphasis on legal issues that relate to amateur sport.

PHE 839 Applied Learning in Physical Education, Sports Administration Option. (1-6) A. Prerequisites: departmental approval; must have been admitted to the Master of Science/Sports Administration option. Work under faculty and field supervisors in a cooperative placement related to student's academic studies. One to six hours credit per semester or summer. Six hours may count toward master's degree. A minimum of eighty hours work is required for each academic credit.

PHE 839 A-F Cooperative Study: Physical Education, Sports Administration Option. (1-6) A. Prerequisites: departmental approval; must have been admitted to the Master of Science/Sports Administration option. Work under faculty and field supervisors in a cooperative placement related to student's academic studies. One to six hours credit per semester or summer. Six hours may count toward master's degree. A minimum of eighty hours work is required for each academic credit.

PHE 848 History and Philosophy of Physical Education and Sport. (3) I, A. A study of organized physical activity of people in significant cultural epochs in history and the underlying philosophy that influenced these activities.

PHE 851 Facility Design and Maintenance in Physical Education. (3) I, A. Focus on fundamentals of facilities management: planning and design; funding and operating; modifying of facilities associated with physical education, recreation, and sport programs.

PHE 852 Motor Learning and Performance. (3) II. Behavioral aspects related to the theory of learning and performance of motor skills taught in school and non-school environments; factors affecting learning and performance are also investigated.

PHE 869 Organization and Administration of Athletics. (3) II. Administrative patterns for high school and college athletics; topics include programs, personnel, facilities, athletic organization consideration.

PHE 870 Internship in Sports Administration. (1-6) A. Supervised experience in selected aspects of sports in a sports administration setting. May be retaken to a maximum of six hours.

PHE 871 Internship: Exercise/Wellness. (1-6) A. Supervised experiences of selected aspects of wellness programming.

PHE 875 Seminar in Physical Education, Exercise, and Sport. (3) A. Research and discussion of critical questions in physical education; topics to

be studied will vary according to the concerns of seminar students.

PHE 885 Independent Study. (1-3) A. Designed for graduate students who have demonstrated the ability to conduct individual research relating to physical education. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of three hours.

PHE 891 Issues in Physical Education, Exercise, and Sport. (3) A. Identification of critical issues arising from current problems; exploration of points of view and possible solutions.

PHE 895 Assessment in Physical Education. (3) II. Prerequisite: PHE 775 or instructor approval. Comparative statistics, construction of measurement instruments, and evaluation techniques applied to physical education.

PHE 897 Thesis. (3-6) A. For students preparing a thesis in partial fulfillment of the requirements for the master's degree programs. May be retaken to a maximum of six hours.

PHI—Philosophy
Dr. Steven Parchment, Chair

PHI 751 Classical and Medieval Theory. (3) A. Cross-listed as POL 751. Examination of Western political thought from Plato to Aquinas. Credit will not be awarded to students who have credit for POL 551 or POL 751.

PHI 752 Modern Political Theory. (3) A. Cross-listed as POL 752. Examination of Western political thought from the Renaissance to the mid-twentieth century. Credit will not be awarded to students who have credit for POL 552 or POL 752.

PHI 753 Contemporary Political Theory. (3) A. Cross-listed as POL 753. Examination of Western political thought from the mid-twentieth century to the present. Credit will not be awarded to students who have credit for POL 553 or POL 753.

PHY—Physics
Dr. Mark Biermann, Chair

PHY 706 Physics for High School Teachers. (3) A. Prerequisites: one year of college physics and instructor approval. Credit given toward major or minor only in teaching programs. Topics from general and modern physics to prepare teachers to teach high school physics and give classroom demonstrations. 3 Lec/3 Lab.

PHY 710 Special Problems in Physics: _____. (1-6) A. Prerequisites: PHY 202 and instructor approval. Special laboratory experiments, development of new equipment, or solution of special mathematical problems related to physics. May be retaken to a maximum of six hours, provided subject matter differs each time. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

PHY 806 Selected Topics in Physics for Secondary Teachers. (3) A. Prerequisite: secondary certification in physics. Study of topics in physics selected from the following fields: mechanics, thermodynamics, sound, electricity, magnetism, optics, and modern physics. Selection will depend upon the need of the student. 2 Lec/3 Lab.

PHY 808 Selected Topics in Physical Science for Secondary Teachers. (1-6) A. Restricted to physical science teachers not certified in physics. Study of problems in science relevant to secondary physical science. May be retaken to a maximum of six hours.

PHY 809 Workshops in Physics for Teachers. (1-3) A. This course is designed for summer workshops for science teachers needing further work on content or techniques in teaching physics. Different workshops may be repeated for up to six hours credit.

PHY 880 Special Topics in Physics. (1-3) A. Specially assigned theoretical or experimental work on topics not covered in other courses.

PHY 881 Selected Topics. (1-3) A. Prerequisite: instructor approval. Selected topics not normally presented that may be of interest to groups of certain students will be presented. May be retaken to a maximum of three hours.

POL—Political Science**Dr. Sara Zeigler, Chair**

POL 717 Politics and Social Change. (3) A. Comparative study of politics in present and past societies to consider the relationship between politics, political change and broader social change. Emphasis on political phenomena especially suited to comparative study.

POL 721 Contemporary International Relations. (3) A. Systematic analysis of major contemporary theories and approaches to the study of international politics and foreign policy.

POL 725 Problems in International Relations. (3) A. Explores major problems in international relations. Covers various areas of the world with reference to significant factors and problems of the people.

POL 733 Seminar in State and Local Politics. (3) A. Prerequisite: POL 101 or instructor approval. A topical analysis of the institutions, policies, and administration of American state and local government. May be retaken to a total of six credit hours, provided subject matter differs each time.

POL 741 Politics and Education. (3) A. An examination of the way political decisions and policies are made in the field of education. Special attention is given to educational decision makers and political power at the local level.

POL 751 Classical and Medieval Political Theory. (3) A. Cross-listed as PHI 751. Examination of Western political thought from Plato to Aquinas. Credit will not be awarded to students who have credit for PHI 551 or PHI 751.

POL 752 Modern Political Theory. (3) A. Cross-listed as PHI 752. Examination of Western political thought from the Renaissance to the mid-twentieth century. Credit will not be awarded to students who have credit for PHI 552 or PHI 752.

POL 753 Contemporary Political Theory. (3) A. Cross-listed as PHI 753. Examination of Western political thought from mid-twentieth century to the present. Credit will not be awarded to students who have credit for PHI 553 or PHI 753.

POL 765 Administrative Law. (3) A. Nature of the powers vested in administrative agencies; the problems of administration procedure; the methods and extent of judicial control over administrative action.

POL 800 Research Methods. (3) A. An introduction and an overview of theories, methods, and analyses which are used in contemporary political science and public administration research.

POL 801 Administration, Ethics, and Public Policy. (3) A. An analysis and overview of the interplay of ethical considerations, administration, and policy process in the public sector.

POL 810 Seminar in Comparative Politics: _____. (3) A. Selected topics in the comparative study of politics. May be retaken to a maximum of six credit hours provided topics vary.

POL 820 Seminar in International Relations. (3) A. Study of selected topics in international administration, international organization, international politics and foreign policy.

POL 835 Seminar in Intergovernmental Relations. (3) A. An examination of the institutions, concepts, and problems of intergovernmental relations and the American federal system.

POL 839 Applied Learning in Public Administration and Political Science. (1-6) A. Prerequisite: departmental approval. Work under faculty and field supervisors in cooperative placement related to student's academic studies. Credit varies with hours of employment. A minimum of eighty hours of work required for each academic credit. May be repeated at the discretion of the department. Credit may be substituted for POL 871 in the M.P.A. program provided the requirements of POL 871 are met completely by the cooperative education assignment. Credit may not otherwise be substituted for any M.A. or M.P.A. requirements.

POL 839 A-F Cooperative Study: Public Administration and Political Science. (1-6) A. Prerequisite: departmental approval. Work under faculty and field supervisors in cooperative placement related to student's academic studies. Credit varies with hours of employment. A minimum of eighty hours of work required for each academic credit. May be repeated at the discretion of the department. Credit may be substituted for POL 871 in the M.P.A. program provided the requirements of POL 871 are met completely by the cooperative education assignment. Credit may not otherwise be substituted for any M.A. or M.P.A. requirements.

POL 843 Seminar in American Political Process. (3) A. Systematic analysis of executive-legislative relationships in the American national political process.

POL 845 Community Development. (3) A. Examines developmental efforts on community level in the United States; relates community development to community organization and examines current efforts, especially those based on the concept of self-help, to generate and implement community development programs.

POL 846 Non-Profit Organizations. (3) A. Study of non-profit organizations, including an examination of types, leadership styles, management tools, board organization, budgeting and fundraising.

POL 847 Strategic Planning and Grant Writing. (3) A. The study of strategic planning processes and the techniques of grant writing as they apply to the public and non-profit sector. Focus on federal and foundation grants.

POL 853 Seminar in Political Theory. (3) A. Examination of major contemporary approaches to understanding and evaluating political phenomena. Authors to be examined may include: Hannah Arendt, Arnold Brecht, David Easton, Juergen Habermas, Edmund Husserl, Robert Nozick, John Rawls, Leo Strauss and Eric Voegelin.

POL 863 Seminar in Public Law. (3) A. Prerequisite: instructor approval. Study in depth of selected problems in public law.

POL 871 Field Study in Public Administration. (3-6) A. Prerequisite: departmental approval. An experientially based research project for M.P.A. students under departmental supervision in a public sector field setting. May be retaken to a maximum of six credit hours.

POL 872 Practicum in Public Administration. (3-6) A. Prerequisite: departmental approval. An experientially based project for MPH students under advisor supervision. Students will be placed in a supervised work environment in public health administration.

POL 875 Public Sector Organizations and Management. (3) A. Study of organizational theory and management as applied to government agencies and other not-for-profit organizations. Topics covered include theoretical modeling, research on organizational behavior, and managerial strategy and technique.

POL 876 Public Human Resources Management. (3) A. Study of strategies and techniques of public human resources management in the public sector and their relationship to pertinent laws, policies, and institutions, in the context of contemporary theories of organizational behavior.

POL 877 Public Finance Administration. (3) A. An examination of the effects of economic, administrative, legislative and judicial factors on the fiscal operations of government. Study of the budgetary and financial decision-making process at the federal, state and local levels.

POL 878 Applied Research in Political Science. (3) A. Prerequisite: POL 800. The theory process and techniques used to conduct and present applied empirical research in political science.

POL 879 Policy Analysis and Program Evaluation. (3) A. Prerequisite: POL 800. An introduction to theories and methods of analysis relating to public policy and public program

formulation, implementation, and evaluation. Topics include quantitative and non-quantitative analytical techniques.

POL 891 Directed Research. (3-6) A. Research under the direct supervision of one or more departmental members. May be retaken to a total of six hours credit. Students must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

POL 892 Directed Research in Public Health Administration. (3-6) A. Research under the direct supervision of faculty advisors. Students must have the independent study form approved by the faculty supervisor and department chair. Designed for MPH students concentrating in Public Administration.

POL 893 Special Topics: _____. (1-3) A. Seminar in a specialized topic of the discipline. Topics will vary. May be retaken to a total of six hours credit, provided subject matter differs each time.

POL 895 Independent Study. (1-3) A. Student-initiated directed study. Can include research project or readings in an area of the discipline. May be retaken to a total of six hours credit, provided subject matter differs each time. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

POL 899 Thesis. (3-6) A. May be retaken to a total of six hours credit.

PSY—Psychology**Dr. Robert Brubaker, Chair**

PSY 779 History and Systems of Psychology. (3) A. A survey of the history of psychology and its various schools of thought and approaches to the study of behavior and mental processes.

PSY 790 Tests and Measurements. (3) A. Prerequisite: PSY 200 or departmental approval. Study of measurement principles with application in psychology, business, industry, and government. Interpretation, use, and evaluation of measurement and job analysis methods. Reliability, validity, utility, ethical/legal concerns are examined.

PSY 797 Advanced Topics in Psychology: _____. (3) A. Prerequisite: PSY 200 or departmental approval. Selected topics for advanced study. Variable topics across semester in terms of student interest and available faculty. May be retaken provided the subject matter differs each time.

PSY 820 Statistics and Research Design I. (3) A. Prerequisites: PSY 291 and 301 or equivalent with departmental approval. Principles and techniques of scientific observation, control, and analysis specifically oriented to research in psychology. Evaluation of research designs and their implementation in professional settings. Emphasis on univariate statistical analyses.

PSY 824 Intellectual Assessment. (3) A. Prerequisite: departmental approval. Techniques, principles and problems in the administration, scoring, interpretation, and reporting of individual tests of intelligence for children and adults.

PSY 825 Personality Assessment. (3) A. Prerequisite: departmental approval. Techniques, principles and problems of evaluating personality via interviews, objective and projective testing. Emphasis on integration of results.

PSY 826 Professional Concerns I. (1) A. Prerequisite: departmental approval. Consideration of ethical and related problems of psychologists.

PSY 827 Topics in Assessment. (1) A. Prerequisite: departmental approval. Administering, scoring, and interpreting instruments in the area of vocational interest, adolescent personality, adaptive behavior, and individual academic assessment. Emphasis is on application in school and clinical settings.

PSY 837 Social Psychology and Cultural Diversity. (3) A. Prerequisite: departmental approval. Graduate level survey of topics in social psychology including social influence, persuasion, social cognition, self-justification, aggression and prejudice. Emphasis on multi-cultural diversity and tolerance of other groups.

PSY 840 Cognitive Bases of Behavior. (3) A. Prerequisite: departmental approval. Broad survey of findings in the areas of learning and conditioning, memory and cognitive processes.

PSY 841 Psychopathology. (3) A. Prerequisite: departmental approval. Etiology and description of various aspects of psychopathology and ineffective behavior. Credit will not be awarded to students who have credit for COU 855.

PSY 843 Practicum. (1-3) A. Prerequisite: departmental approval. Supervised practice in applied settings. Selective participation with an assigned agency varies with the student's program; with level of preparation in course work, and with previous supervised field experience. Class meetings as arranged. May be retaken to a maximum of eleven credit hours. Graded Satisfactory - Unsatisfactory.

PSY 844 Industrial Psychology. (3) A. Prerequisite: departmental approval. Graduate level introduction to industrial psychology. Topics include legal issues, job analysis and evaluation, compensation, research in organizations, individual differences, recruitment, human factors, and work environments.

PSY 845 Clinical Issues and the Deaf. (3) A. Prerequisite: departmental approval. Survey of clinical issues involved in providing mental health services to the deaf and hard-of-hearing. Topics will include the prevalence and nature of psychological problems among the deaf and hard-of-hearing, ethical and professional concerns, the interface between mental health and other services, and psychological assessment and therapy issues and strategies.

PSY 846 Behavioral Research Methods. (3) A. Prerequisite: departmental approval. Theory and methods of contemporary practice of behavioral assessment and single subject research design. Supervised practice in clinical applications of assessment methods. Review of relevant learning theory and behavioral principles.

PSY 847 Topics in Individual Differences. (3) A. Prerequisite: departmental approval. The development of individual differences in traits and behavior examined from the perspectives of personality and developmental psychology. Selected coverage of both seminal and current theoretical and empirical literatures.

PSY 848 Introduction to School Psychology. (3) A. Prerequisite: departmental approval. Theory observation, and supervised practice in the role of school psychologist. Includes systems analysis, the consultation process, and interprofessional relationships. Intervention skills appropriate for dealing with those problems.

PSY 850 Psychotherapy and Behavior Change I: Basic Techniques. (3) A. Prerequisite: PSY 841 or departmental approval. A didactic and experiential introduction to the theories and techniques acclimative of personal growth and behavior change.

PSY 853 Biological Bases of Behavior. (3) A. Prerequisite: departmental approval. A survey of the principles, research and methodology of psychophysiology, including consideration of the autonomic correlates of emotion and arousal, biofeedback, psychosomatic diseases, and psychophysiological correlates of psychopathology.

PSY 857 Interventions with Children and Families. (3) A. Prerequisite: departmental approval. Interventions procedures for a variety of problems of school-age children are reviewed. Emphasis is placed on developing individual and group intervention skills for assisting children and their families.

PSY 860 Psychotherapy and Behavior Change II: Advanced Techniques and Theories. (3) A. Prerequisite: PSY 850 or departmental approval. The in-depth study of techniques selected from those presented in PSY 850. Emphasis will be placed on developing proficiency in such skills and techniques.

PSY 862 Statistics and Research Design II. (3) A. Prerequisite: PSY 820 or equivalent with department approval. Principles and techniques of scientific observation, control, and analysis, specifically oriented to multivariate research in psychology. Evaluation of research designs and their implementation in professional settings.

PSY 865 Psychological Consultation. (3) A. Prerequisite: departmental approval. Exploration of the theoretical and empirical underpinnings of psychological consultation process, and supervised practice in the provision of indirect psychological services.

PSY 868 Program Evaluation in the Social and Behavioral Sciences. (3) A. Prerequisite: PSY 820 or 862 or equivalent with departmental approval. Survey and application of program evaluation theory, designs, implementations and problems. Emphasis on preparing students to design and implement program evaluations of social, educational and organizational programs.

PSY 870 Cognition in the Workplace. (3) A. Prerequisite: departmental approval. Graduate level survey of theories and research in cognition, with a focus on applications to industrial and organizational psychology.

PSY 871 Group and Family Therapy. (3) A. Prerequisite: departmental approval. Theory and techniques of group and family therapy. Emphasis will be placed on developing and applying intervention skills.

PSY 872 Selection and Performance Appraisal. (3) A. Prerequisite: PSY 790 or departmental approval. Psychological theory, research, and practice pertaining to the selection and appraisal of human resources in the workplace.

PSY 873 Organizational Psychology. (3) A. Prerequisite: departmental approval. Examination of research, theory, and applications in organizational psychology. Topics include commitment, involvement, satisfaction, power, conflict, motivation, leadership, quality of worklife, group/team processes, and organizational structure.

PSY 874 Organization Change and Development. (3) A. Prerequisite: departmental approval. Analysis of psychological theory, research and practice pertaining to organization change and development including the change process, culture, interventions, evaluation, consulting, and legal/ethical concerns.

PSY 875 Training and Development. (3) A. Prerequisite: departmental approval. Graduate level survey of psychological theory, research, and practice utilized in the training and development of human resources in the workplace.

PSY 880 Work Environments. (3) A. Prerequisite: departmental approval. Seminar examining the ways in which workers are influenced by the physical environment. Topics will include lighting, noise, temperature, aesthetics, privacy, crowding, territoriality, human factors, and ergonomics.

PSY 890 Thesis Research. (1-6) A. Prerequisite: departmental approval. Experimental investigation of a selected topic, including preparation of a formal report. May be retaken to a maximum of twelve hours. Graded Satisfactory/Unsatisfactory. A minimum of 1200 hours of work is required for the total twelve hours credit awarded.

PSY 897 Special Topics in Psychology. (3) A. Selected topics for advanced graduate study. Topics will vary. May be retaken to a total of six hours, provided the subject matter differs each time.

PSY 898 Internship in School Psychology. (3-6) A. Prerequisite: advisor approval. Intensive supervised experience in approved educational setting. May be retaken to a maximum of twelve hours. Graded Satisfactory/Unsatisfactory. A minimum of 1200 hours of work is required for the total twelve hours credit awarded.

PSY 899A Internship in Clinical Psychology. (6) A. Prerequisite: advisor approval. Intensive supervised experience in approved clinical setting. May be retaken to a maximum of twelve hours. Graded Satisfactory/Unsatisfactory. A minimum of 480 hours of work is required.

PUB—Public Relations
Dr. Maureen Everett, Chair

PUB 720 Integrated Public Relations Strategies. (3) A. Examines integrated public relations skills used to achieve organizational objectives. Emphasizes strategic planning including forecasting and communicating future business plans. Includes an in-depth look at relevant communication theories explaining common public relations problems and strategies.

PUB 730 Sports Information Programs. (3) A. Study of the role and function of the sports information director. Includes public relations techniques applied to sports information: press releases, publications programs, office and staff organization, time utilizations, news media, and formats.

QMB—Quantitative Management
TBA, Chair

QMB 850 Statistical Methods for Business. (3) A. Prerequisite: QMB 200 or equivalent with a minimum grade of "B-" or better. This course focuses on statistical model selection, model building, forecasting, and the interpretation of statistical results for decision making. Emphasizes critical thinking and analysis skills.

QMB 854 Topics in Quantitative Methods. (3) A. Prerequisite: QMB 850. Study of quantitative methods in the various functional areas of business: accounting, computer information systems, finance, management, and marketing. May be retaken to a maximum of six hours provided the topics are different.

REC—Recreation
Dr. Charlie Everett, Chair

REC 711 Therapeutic Recreation Practices and Services. (3) II. Interventions and utilization of terminology. Apply leadership skills, assistive technology, and programming applications. 2 Lec/2 Lab.

REC 712 Management of Therapeutic Recreation. (3) I. Prerequisite: for majors only. Management concepts applied to delivering therapeutic recreation services, and includes: documentation, activity analysis, assessment, liability, legislation and standards of practice.

REC 716 Outdoor Education. (3) I. Designed to explore issues in outdoor education, teaching methods, programs and evaluation. The role of interpretation in enhancing visitor experiences and protecting natural resources will be discussed.

REC 730 Park Management. (3) II. Park purposes and operations with an emphasis on natural resources and visitor management. Concentration on design, resource conservation and preservation, public relations, park policies.

REC 790 Special Topics: ____. (1-3) A. Identification and study of specialized techniques in recreation leadership, activities skills, operational methods, and services. May be retaken under different subtitle.

REC 809 Advanced Study in Recreation. (1-3) **A.** Prerequisite: PHE 800. Directed study of topics in recreation and leisure. An advanced study project and individual meetings with instructor are required. An advanced study proposal form must be approved prior to enrollment.

REC 815 Practicum in Recreation. (1-3) **A.** Prerequisite: department chair approval. Supervised practical work experience in a clinical or administrative setting.

REC 825 Philosophy of Recreation and Leisure. (3) **I.** Examination of recreation theory and practice from both research and empirical bases. Significance of leisure and recreation for the individual and society. Recreation's future in a changing cultural milieu.

REC 840 Administrative Processes and Practices. (3) **II.** Principles and concepts of administration, in-depth investigation of budgeting, policy formulation, and legislative provisions.

REC 850 Recreation & Tourism Marketing. (3) **I, II.** The purpose of this course is to provide the student with an in-depth understanding of marketing in the public and commercial recreation sectors, parks, and leisure services.

REC 870 Rec Therapy Quality Assurance. (3) **I, II.** Examine the components of quality assurance and techniques for evaluation related to programs, management, and patient outcomes in therapeutic recreation settings.

REC 871 Therapeutic Recreation Administration. (3) **I, II.** Understand the characteristics of management, administrative management, as related to human services in therapeutic recreation.

REC 890 Independent Study in REC. (1-3) **I, II, A.** Student initiated directed study for the purpose of conducting research and examining issues in park, recreation, and leisure services. Student must have the independent study proposal form approved by the graduate program director and chair prior to enrollment. May be taken to a maximum of three hours.

REC 897 Thesis. (6) **A.** Designed for students preparing a thesis in partial fulfillment of the requirements for the master's degree program.

RST—Real Estate
TBA, Chair

RST 890 Special Problems in Contemporary Real Estate. (3) **A.** Prerequisite: ECO 854. An individual study which would form the basis of a major research paper. May be retaken under different subtopics to a cumulative maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

SED—Special Education
Dr. Justin Cooper, Chair

SED 700 Practices and Programming in Moderate and Severe Disabilities. (3) **II.** Introduction to teaching students with MSD. Educational needs, issues, legal mandates, and family concerns, best practices for inclusive school and community programs. Open to non-majors.

SED 704 Assistive/Adaptive Technology. (3) **I, A.** Classroom use and modification of and assistive/adaptive devices. Integration of assistive technology into assessments, IEPs, lesson plans, educational activities, and daily routines. Lab.

SED 707 Problems in Special Education: _____. (1-3) **A.** School related work, special workshops, special seminars. May be retaken with different descriptions. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

SED 710 Assessment, Curriculum, and Methods in Content Areas for the Deaf and Hard of Hearing. (3) **A.** Prerequisites: ELE 550 and SED 581 or instructor approval. Design, implementation,

and evaluation of HI-IEPs including reading, mathematics, science, social studies, physical education, music, speech language, aural rehabilitation, early childhood, career education, and educational media.

SED 712 Computer Technology with Exceptional Populations. (3) **I.** Prerequisites: completed College of Education computer literacy requirement and introductory course in special education, or instructor approval. Educational applications of computer technology with handicapped individuals, infants through adult. Identification, evaluation, and operation of software, hardware, and adaptive devices in accordance with ethical practices. (Lec/Lab)

SED 718 Survey of Special Education in Early Childhood. (3) **I, II.** Prerequisites: SED 104 or SED 775, SED 260, or instructor approval. Overview of history, philosophy, legislation and services for young children (0-5) at-risk for or with disabilities, including impact and intervention across developmental domains.

SED 722 Language Disorders of Students with Disabilities. (3) **A.** Overview of language development and related speech and language disorders including introduction to intervention methodology.

SED 735 Teaching Students with Moderate and Severe Disabilities. (3) **A.** Functional assessment and systematic instruction for students with MSD. Use of assessment data to develop IEPs and instructional programs, including activity-based and community-based instruction. Methods and materials for implementing best practices across settings.

SED 745 Program and Personnel Management. (3) **I, A.** Prerequisite: teacher certification. Corequisite for undergraduates: SED 375. Scheduling and management of systematic instruction, inclusion, transdisciplinary services, and transition activities. Working with parents, paraprofessionals, and professionals. Collaboration strategies, professional development skills, and records management.

SED 774 Field Experiences with Exceptional Learners. (3) **A.** Prerequisite: departmental approval. A practical experience with exceptional individuals. Emphasis is directed at behavior management, educational assessment, and IEP/IFSP.

SED 775 Nature and Needs of Exceptional Students. (3) **A.** Overview of special education including characteristics, definitions, programming, and supporting research. Open to non-majors.

SED 776 Introduction to Special Education Assessment. (3) **A.** Prerequisite: SED 775 or instructor approval. Principles of tests and measurement. Test administration, scoring, and interpretation applied to exceptional children. Assessment related to interdisciplinary teams.

SED 777 Dual Sensory Impairments and Communication. (3) **II, A.** Prerequisites: SED 260 (or 522/722), 304, and 353/352 (teacher certification for SED 777), or instructor approval. Assessment, planning, and instruction for students with dual sensory impairments and severe cognitive disabilities. Augmentative and alternative communication methods, materials, and devices. Milieu language strategies, symbolic and nonsymbolic communication in natural environments and daily activities.

SED 778 Behavior Disorders. (3) **A.** Prerequisite: SED 775 or instructor approval. Behavior disorders and emotional disturbances as an educational, psychological, and sociological phenomenon. Definitions, characteristics, theoretical foundations, and programmatic approaches.

SED 779 Learning Disabilities. (3) **A.** Prerequisite: SED 775 or instructor approval. Definition and assessment of learning disabilities. Emphasis on theories related to specific teaching methodologies.

SED 781 Speech for the Deaf and Hard of Hearing. (3) **A.** Prerequisite: SED 260 or instructor approval. Phonological development, acoustic aspects, anatomy of speech mechanisms, phonetic transcription, developing speech readiness, voice quality, articulation, rhythm, phrasing, accent, fluency, effects of hearing loss on speech, speech reading, auditory training.

SED 790 Applied Behavior Analysis. (3) **A.** Prerequisite: SED 775 or instructor approval. Behavior analysis applied to classroom and instructional management. Data collection, intervention procedures, and evaluation of behavior change.

SED 793 Teaching Students with Learning and Behavior Disorders. (3) **A.** Prerequisites: SED 775, 776, 778 or 779, or instructor approval. Individual education programs for LBD students, based on assessment information and in accordance with legal mandates and regulations.

SED 800 Exceptional Learners in the Regular Classroom. (3) **A.** Open only to non LBD, MSD, and DHH majors. Characteristics of mainstreamed students, identification procedures, and instructional strategies. Salient features of PL94-142, IEP, roles and responsibilities of regular educators.

SED 801 Advanced Early Childhood Assessment. (3) **A.** Identification and diagnostic procedures of development delay and at-risk conditions in infants, toddlers, and preschoolers. Continuous assessment of children's developmental, instructional, behavioral, and environmental needs; evaluation of effectiveness of services and family involvement.

SED 802 Advanced Early Childhood Intervention Programming. (3) **A.** Advanced curriculum and program development for infants, toddlers, and preschoolers in school centers or home settings, including collaboration with families and professionals, continuous assessment, and program evaluation.

SED 803 Advanced Special Education Assessment. (3) **A.** Prerequisite: provisional certification in special education or departmental permission. Evaluation of educational, perceptual, conceptual, social, and psychological characteristics of exceptional individuals. Interpretation for educational and community interventions for exceptional children. Appropriate practical experiences provided.

SED 804 Educational Management of Learning and Behavior Disordered Students. (3) **A.** Prerequisite: certification in special education or department chair approval. Advanced management and programming for pupils with learning and behavior disorders. Selection, adaptation, development and evaluation of instructional approaches, methods and materials based on current research and best practice. Appropriate field experience required.

SED 805 Roles of Special Educators. (3) **A.** Prerequisite: certification in special education or department chair approval. Focuses on roles of special educators in alternative settings, utilizing related services, and working with parents. Emphasis on interpersonal relationships and professional development.

SED 806 Advanced Assessment and Methods for Moderate and Severe Disabilities. (3) **A.** Prerequisite: bachelor's degree and teaching certificate in MSD. Advanced assessment of individual with moderate and severe disabilities, planning and implementing functional curricula, teaching methods across all functional domains and integrating related support services using a transdisciplinary service delivery model. Topics include instructional strategies, adaptations in inclusive settings, transition, alternative portfolio assessment, and best practices.

SED 807 Special Education: _____ (1-3)

A. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

SED 809 Diagnostic Prescriptive Teaching of the Deaf and Hard of Hearing. (3) A.

Prerequisites: certification in Special Education or department chair approval and SED 354, SED 804 or instructor approval. Differential diagnosis and educational programming in academic, sociological, and vocational areas with emphasis on case presentation and individual educational plans.

SED 810 Special Education Statutes, Regulations, and Case Law. (3) A. A study of the administrative responsibilities of special education leadership with emphasis on the understanding of the field of special education, related federal and state laws, administrative regulations, instructional arrangements, grant writing and budget.

SED 811 IECE Assessment and Intervention. (4) A. For MAT IECE students only, encompasses identification and program development/implementation for children ages 0-5. Collaboration with families/professionals and continuous assessment of individual needs and program efficacy is also addressed.

SED 814 Special Education Consultation and Supervision Techniques. (3) A. Consulting and supervisory services; recruitment, selection, and utilization of support services, evaluation of personnel in special education and programs; staff development; and mediation techniques.

SED 816 Practicum in Special Education Administration. (6) A. Prerequisites: SED 810, 814, and EAD 801 or department chair approval. Supervised experiences in providing consultation services and performing all of the other functions of director of special education including procedures and policies, record keeping, utilization of support services, staff development, and due process.

SED 818 Special Topics in Severe and Multiple Disabilities. (3) A. Prerequisite: SED 435 or instructor approval. Advanced study of issues in severe and multiple disabilities. Focus on major theoretical positions regarding etiology of physical/multiple disabilities, visual impairments, developmental implications, and education approaches. Review of research in the field, including best practices, and services.

SED 830 Survey of Education for the Hearing Impaired. (3) A. Historical, philosophical, psychological, and social aspects of the hearing impaired. An orientation to problems, issues, and research in the field. Consideration of historic and current objectives, techniques and results, career education and adaptive P.E.

SED 832 Written Language of the Deaf and Hard of Hearing. (3) A. Prerequisite: certification in special education or department chair approval. Methods of developing written language from preschool through secondary levels; including traditional and current methods of teaching written English. Evaluation of written language competence of deaf and hard of hearing students.

SED 851 Teaching Secondary LBD. (3) A. Focus on education of students with LBD in secondary settings, including academic instruction and learning strategies, social competence, school-wide management, career education and transition, adolescent sexuality, drug and alcohol use, and juvenile delinquency.

SED 886 Seminar in Special Education. (3) A. Prerequisite: SED 805 or instructor approval. Critical study of research literature on education of exceptional individuals. Directed study based on student's area of emphasis.

SED 890 Advanced Behavior Strategies and Interventions. (3) A. Prerequisites: SED 341, SED 590/790, or instructor approval. Study of techniques of applied behavior analysis, functional

behavioral assessment, alternative procedures, interventions for severe problem behaviors, and maintaining a safe learning environment for all students.

SED 897 Practicum in Special Education. (3-6) A. Practicum for graduate students who seek certification in an area in special education.

SPA—Spanish
Dr. Ezra Engling, Chair

SPA 772 Hispanic Literature: _____.

(3) A. Prerequisites: SPA 301 and three hours from SPA 405, 406, 407. Study of a selected literary topic. May be retaken to a maximum of nine hours if course content is different.

SPA 880 Special Studies. (1-3) A.

Independent language or literature on a subject of special need or interest to the advanced student. May be retaken to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

SSE—Safety, Security and Emergency Management
Dr. Larry Collins, Chair

SSE 815 Loss Prevention Administration.

(3) A. Formerly LPS 815. Prerequisite: departmental approval. Examination of administrative concepts and principles regarding organizing and managing the functional areas of fire, safety, and security. Development of organizational and administrative structure to include policy formulation, goals and objectives, managerial tasks, and impact evaluations within an encompassing loss prevention framework.

SSE 820 Strategic Planning for the Fire and Emergency Services. (3) A. Comprehensive strategic planning including theory and value of strategic planning are examined. Steps to develop a strategic plan are examined and discussed. Students will assimilate a mock strategic plan for their organization that examines organizational development with consideration given to resource management.

SSE 822 Workers Compensation/Labor Law. (3) A. Formerly LPS 822. Prerequisite: departmental approval. Comprehensive study of workers compensation and regulations; National Labor Relations Act; Title VII; A.D.E.A.; and, other relevant laws applicable to the functional areas of loss prevention.

SSE 824 Leadership in the Fire and Emergency Services. (3) A. Prerequisite: departmental approval. Leadership issues including developing as a leader, leadership styles, decision skills, influencing, persuasion, and storytelling are examined. Characteristics of effective leaders are examined and discussed. Students will evaluate their leadership skills, shortcomings and develop a plan for obtaining needed inventory of leadership skills within themselves and their organizations.

SSE 825 Public Sector Finance and Budgeting. (3) A. Prerequisite: departmental approval. This class examines the relationship of fire department budgeting within the scope of overall financial management of municipal governments. Funding sources including taxes, supplements from other governments, and grants are explored. Cost accounting and auditing are explored. Students will demonstrate their understanding of complex financial management issues by preparing arguments for prioritization of fire service issues over other governmental considerations.

SSE 826 Emergency Prep/Response. (3) A. Formerly LPS 826. Prerequisite: departmental approval. In-depth study of the planning process, program development, training methods, etc., for response to man-made and natural emergencies/disasters for both private and public entities.

SSE 827 Issues in Security Management.

(3) A. Formerly LPS 827. Prerequisite: departmental approval. Survey of salient issues and concerns confronting security managers. Examines the application and contribution of various management concepts and philosophies to assets protection issues such as information security, personnel protection, threat analysis, technological adaptation, and resource allocation.

SSE 828 Industrial Safety Management.

(3) A. Formerly LPS 828. Prerequisite: departmental approval. Investigation and analysis of hazard control principles relating to the management of personnel, facilities, and equipment, including control procedures, work-task analysis, risk identification and countermeasures, safety training, and pertinent safety management techniques.

SSE 829 Public Emergency Services. (3) A. Formerly LPS 829. Prerequisite: departmental approval. Overview of the theories and techniques of management practices regarding the operation and delivery of public sector emergency services. Agency coordination, budgetary considerations, resource assessment, and liability issues are emphasized.

SSE 832 Construction Safety. (3) A.

Prerequisite: departmental approval. Introduction/analysis of general construction safety utilizing the key components of 29 CFR 196. Included in this study will be general safety & health provisions of OSHA Act and a review of the various subparts of 29 CFR 1926.

SSE 833 Legislation & Regulatory Comp.

(3) A. Formerly LPS 833. Prerequisite: departmental approval. Comprehensive study and analysis of federal/state regulations and legislation such as OSHA, EPA, etc., which mandate compliance with certain safety, health, and environmental conditions and practices relating to work performed in occupational, industrial, and comparable settings.

SSE 834 Corporate Compliance. (3) A.

Prerequisite: departmental approval. The assessment, analysis and development of safety, emergency management, security and environmental compliance programs. This course will address the regulatory requirements and best business practices for each of the compliance areas.

SSE 839 Applied Learning: _____.

(1-6) A. Formerly LPS 839. Prerequisite: departmental approval. Work under faculty and field supervisor in a cooperative placement related to student's academic studies. May be retaken to a maximum of six hours, but only three hours may count toward master's degree. A minimum of 80 hours required for each hour of academic credit.

SSE 839 A-F Cooperative Study: _____.

(1-6) A. Formerly LPS 839. Prerequisite: departmental approval. Work under faculty and field supervisor in a cooperative placement related to student's academic studies. May be retaken to a maximum of six hours, but only three hours may count toward master's degree. A minimum of 80 hours required for each hour of academic credit.

SSE 841 Applied Study in Safety, Security & Emergency Management. (3) A. Formerly LPS 841. Prerequisite: departmental approval. Supervised study in loss prevention setting to provide the student an opportunity to synthesize theory and on-the-job situations. Individual conferences.

SSE 845 Personal/Environmental Hazards.

(3) A. Formerly LPS 845. Prerequisite: departmental approval. Analysis and investigation of hazard and threat control principles relating to personal and environmental risks within the workplace. Investigation techniques, inspection methodologies, management techniques, and prevention programs essential to the manager within the safety, fire, and security functions are emphasized.

SSE 865 Loss Prevention Auditing. (3) A. Formerly LPS 865. Prerequisite: departmental approval. Theory and application of loss prevention auditing in safety, fire, and security. Comprehensive study of risk/threat exposure and assessment.

SSE 880 Loss Prevention Research/Planning. (3) A. Formerly LPS 880. Prerequisites: APS 465 or equivalent statistics course and departmental approval. Models and applications of research design and planning in loss prevention and assets protection. Identification and evaluation of problems, information and data interpretation, and research/planning methodologies for contemporary approaches to proactive loss prevention.

SSE 890 Topical Seminar: _____. (1-3) A. Formerly LPS 890. Prerequisite: advisor/departmental approval. Designed to explore specific, contemporary aspects of loss prevention. May be retaken to a maximum of six hours provided topic is different each time.

SSE 897 Independent Study. (3) A. Formerly LPS 897. Prerequisite: departmental approval. Designed for graduate students who have demonstrated the ability to conduct individual research relating to loss prevention and safety. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

SSE 898 Thesis. (3-6) A. Formerly LPS 898. Prerequisite: departmental approval. For students preparing a thesis in partial fulfillment of the requirements for master's degree program. May be retaken to a maximum of six hours.

STA—Statistics

Dr. Dirk Schlingmann, Chair

STA 700 Applied Statistical Inference. (3) A. Designed for students in all areas. A general background in statistical methods including normal distribution, point and interval estimation, hypothesis testing, regression, analysis of variance, and software packages. Credit will not be awarded to students who have credit for ECO 320 or ECO 848 or EPY 843 or QMB 300 or PSY 301 or STA 271 or STA 320 or STA 521 or STA 721. Credit does not apply toward the M.S. degree requirements.

STA 701 Nonparametric Statistics. (3) A. Simple, efficient nonparametric methods without normality assumptions. Tests, estimation of proportions, medians, two-sample location/dispersion, one and two-way layout, independence, regression, software analysis packages. It is strongly recommended that students have completed a statistics course.

STA 703 Statistics with Technology for P-9 Teachers. (3) A. Topics in statistics appropriate for teachers of grades P-9. Credit does not apply toward M.S. nor M.A. in Education - Secondary Education, academic specialization option in mathematics, degree requirements.

STA 707 Seminar in Statistics: _____. (1-3) A. Topics vary with offering. May be retaken with advisor approval, provided the topics are different. Credit towards degree requirements will depend on the course content.

STA 720 Mathematical Statistics I. (3) A. Descriptive statistics, discrete and continuous probability distributions for one and two variables, functions of random variables, sampling distributions, expectations and generating functions.

STA 721 Mathematical Statistics II. (3) A. Prerequisite: STA 520 or STA 720. A continuation of STA 720. Estimation theory, tests of hypothesis, linear regression, analysis of variance, allied topics. Credit will not be awarded to students who have credit for STA 500/700. It is strongly recommended that students have completed an undergraduate course in linear algebra.

STA 775 Statistical Methods Using SAS.

(3) A. Statistical methods focusing on the use of the SAS computer package and interpretation of data. Assumptions of parametric and nonparametric tests. It is strongly recommended that students have completed a statistics course.

STA 785 Experimental Design. (3) A. Introduction to analysis of variance and experimental design with emphasis on authentic applications and use of statistical computing packages. Includes completely randomized designs, factorial experiments, multiple comparisons, checking model assumptions, randomized blocks, Latin squares, fixed and random models, and nested-factorial experiments.

STA 839 Applied Learning in Statistics. (1-3) A. Prerequisite: departmental approval. May be retaken with approval to a maximum of three credits. Employment with faculty and field supervision in an area related to the student's academic interests. A minimum of eighty hours of employment is required for each academic credit. Credit does not apply toward the M.S. degree requirements.

STA 839 A-F Cooperative Study: Statistics. (1-3) A. Prerequisite: departmental approval. May be retaken with approval to a maximum of three credits. Employment with faculty and field supervision in an area related to the student's academic interests. A minimum of eighty hours of employment is required for each academic credit. Credit does not apply toward the M.S. degree requirements.

STA 880 Seminar in: _____. (1-3) A. Advanced topics in Statistics. May be retaken to a maximum of six hours provided the topics are different. Credit towards degree requirements will depend on the course content.

STA 890 Independent Study in: _____. (1-3) A. Prerequisite: departmental approval. Independent study on a problem chosen by the student and instructor. Student must have the independent study proposal form and course syllabus approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of nine hours, provided the topics are different.

TEC—Technology

Dr. William E. Davis, Chair

TEC 801 Special Problems in Technology. (2-6) I, II. An independent study course for graduate students. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken if the topic of study is different.

TEC 830 Creative Problem Solving. (3) A. A review and analysis of basic and applied research in the development of creative behavior with emphasis on its application to teaching/training and industrial problem solving. Students will be expected to complete a term project showing their creative abilities.

TEC 831 Applied Problem Solving. (3) A. Prerequisite: TEC 830. Students will strengthen problem solving through the completion of an independent project. Students will propose a process and produce a finished project. Documentation of the process will be used as a foundation for evaluation.

TEC 833 Workshop in Technology. (1-4) A. Presentation of technology topics of a timely or specialized nature in a workshop format. May be retaken if the topics are different.

TEC 867 Research in Technology. (3) A. Independent research in technology supervised by the graduate advisor and other staff members. Topic must be approved before registration. May be retaken to a maximum of six hours.

TEC 898 Thesis I. (3) A.

TEC 899 Thesis II. (3) A.

THE—Theatre

Dr. James Keller, Chair

James Moreton, Coordinator

THE 805 Independent Studies in Theatre Arts. (1-3) A. Individual research and reading on a specified theatre arts topic. Regular consultation and final paper required. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

TRS—Traffic Safety

TBA, Coordinator

TRS 788 Laboratory Instructional Programs in Drive and Traffic Safety. (3) A. Designed to provide the background, knowledge, and competencies to instruct the laboratory phases of the multiple-car driving range and on-street instruction. Provided are experiences related to implementation and administration of such programs.

FULL AND ASSOCIATE GRADUATE FACULTY

- ADAMS, ROBERT M.** (1979), Professor, Psychology. BA, MA, PhD, Tennessee.
- ADAMS-BLAIR, HEATHER R.** (2000), Associate Professor. Exercise & Sport Science. BA, Transylvania; MAEd, Eastern Kentucky; EdD, Kentucky.
- ALEGI, PETER C.** (2001), Assistant Professor, History. BA, Trinity College; MS, Yale; PhD, Boston University.
- AL-KHATAB, ANISA** (1990), Associate Professor, Educational Studies. BA, MA, EdD, Teachers' College, Columbia.
- ALLAMEH, E. JOY** (1978), Associate Professor, English. BS, Middle Tennessee; MA, Arkansas; PhD, Kentucky.
- ANDERSON, JOY** (1978), Professor Emeritus, Occupational Therapy. OTR/L; BA, David Lipscomb; post-baccalaureate certificate, Texas Woman's; MA, Western Michigan.
- APPLETON, THOMAS H.** (2000), Professor, History. BA, Memphis; MA, PhD, Kentucky.
- AUSTIN, JERRY L.** (1994), Associate Professor, Educational Administration. BA, Berea; MAEd, EdD, Virginia; JD, North Carolina Central.
- AWANG, FARIDAH** (2002), Assistant Professor, Corporate Communication & Technology. BSc, MSc, Ed, PhD, Southern Illinois.
- BAILEY, SHARON** (2002), Assistant Professor, English & Theatre/Foreign Languages & Humanities. BA, Spring Arbor; MA, Michigan State University; PhD, Penn State.
- BALLARD, MICHAEL** (2002), Chair, Associate Professor, Health Promotion & Administration. BS, MAEd, Eastern Kentucky; EdD, Tennessee.
- BARKER, THOMAS** (2000), Professor, Criminal Justice & Police Studies. AB, Stanford; MS, PhD, Mississippi State.
- BARTON, ROBERT M.** (1976), Athletic Trainer; Professor Emeritus, Exercise & Sport Science. AB, Kentucky; MS, Marshall; DA, Middle Tennessee.
- BAUTISTA, DEBRA** (2001), Associate Professor, Chemistry. BS, PhD, Memphis.
- BEAL, DONALD G.** (1987), Professor, Psychology. BA, Arizona; PhD, Texas Tech.
- BECK, JOE E.** (1995), Professor, Environmental Health Science. BS, Murray State; MPA, Illinois.
- BEELER, C. ALAN** (1970), Professor, Music. BM, Illinois Wesleyan; MA, PhD, Washington.
- BELKNAP, LARRY K.** (1989), Professor, Recreation & Park Administration. BA, Morris Harvey; MS, Marshall; ReD, Indiana.
- BENNETT, HELEN** (1981), Professor, English. BA, Queens; PhD, Brown.
- BENNETT, ONDA M.** (1997), Associate Professor, Occupational Therapy. OTR/L; BS, MS, NY; PhD, Buffalo, NY.
- BETTLER, ALAN R.** (1970), Associate Professor, French. AB, MA, PhD, Indiana.
- BHANDARI, MICHELYN** (2004), Assistant Professor, Health Promotion & Administration. BS, MPH, Western Kentucky; doctoral work, Kentucky.
- BIERMANN, MARK** (2004), Chair, Associate Professor, Physics. BS, MS, PhD, University of Rochester.
- BIGGIN, ROBERT** (2001), Assistant Professor, Educational Leadership. BS, Pennsylvania; MS, PhD, Pittsburg.
- BIRCHFIELD, PATRICIA** (1997), Professor, Nursing, BSN, MSN, Kentucky, DS, Alabama (Birmingham).
- BLADES, CHRISTOPHER** (2003), Assistant Professor, Computer Information Systems. PhD, Somerset, England (UK).
- BLAKENEY, ANNE** (1984), Associate Professor, Occupational Therapy. OTR/L; BS, Tennessee; MSOT, Boston; PhD, Kentucky.
- BLAND, ANNIE** (2004), Associate Professor, Nursing. BSN, East Carolina University; MSN, University of North Carolina; PhD, University of South Carolina.
- BLAYLOCK, DAVID W.** (1993), Assistant Professor, History. BA, North Carolina-Geensboro; MA, Washington University; PhD, Ohio State.
- BLYTHE, JR., HAROLD R.** (1972), Professor of English and Foundation Professor. BA, Kentucky Southern; MA, Florida; PhD, Louisville.
- BOLLING, JULIEN HOPE** (1972), Associate Professor, Special Education. BS, East Tennessee; MA, Kentucky; EdD, Kentucky; additional graduate work, Eastern Kentucky.
- BONAR, BRUCE D.** (1977), Director, Professional Laboratory Experiences; Professor, Social Science Education; Curriculum & Instruction. AB, West Liberty State (WV); MA, EdD, West Virginia; additional graduate work, Eastern Kentucky.
- BOROWSKI, WALTER S.** (2001), Associate Professor, Geology. BA, Case Western Reserve; MS, Tennessee; PhD, North Carolina.
- BREWER, PEGGY D.** (1980), Professor, Management. BS, Morehead; MA, Murray; DBA, Louisiana Tech.
- BROCK, MARTIN L.** (1990), Associate Professor, Chemistry. BA, California (San Diego); PhD, Illinois; Post doctoral research, Imperial (London), Southern CA.
- BROWN, STEPHEN M.** (1988), Professor, Management. BS, Illinois; MS, Southern Illinois; PhD, Georgia.
- BRUBAKER, ROBERT G.** (1984), Chair, Professor and Foundation Professor, Psychology. BA, Oklahoma City; MA, Indiana State; PhD, South Florida.
- BRYANT, JESSICA** (1997), Associate Professor, English & Theatre. BA, Kentucky State; MA, EdD, Kentucky.
- BUCKNAM, JULIE A.** (1995), Professor, Art Education. BA, MAEd Eastern Kentucky; PhD, Kentucky.
- BUNDY, MYRA BETH** (1996), Assistant Professor, Psychology. BS, Transylvania; PhD, South Carolina.
- BUSKIRK, ROBERT D.** (1992), Assistant Professor, Mathematical Sciences. BA, West Virginia; MA, PhD, Kentucky.
- BYRD, SUZANNE** (1991), Associate Professor, Biology. BS, Austin Peay; BS, PhD, South Alabama.
- CALIE, PATRICK J.** (1992), Professor, Biology. BS, Rutgers; MS, PhD, Tennessee.
- CALLAHAN, CONNIE** (1997), Professor, Counseling & Educational Psychology. BA, Missouri Southern State; MS, EDS, Pittsburgh State; PhD, New Mexico.
- CAMARATA, KAREN M.** (1990), Associate Professor, Health Education. AA, Oakland Community; BS, MPH, Michigan; additional graduate work, Eastern Kentucky.
- CANNON, DEAN C.** (1978), Professor, Communication. BS, MS, Indiana State; PhD, Ohio State.
- CARNES, LANA** (1999), Associate Professor, Corporate Communication & Technology. BS, MS, Eastern Kentucky; EdD, Kentucky.
- CARTER, DOROTHY A.** (1964), Associate Professor, French. BA, MA, PhD, Kentucky.
- CASE, MARK** (2004), Associate Professor, Marketing. BA, Cornerstone University; MBA Grand Valley St. University; PhD, Old Dominion.
- CHANDRA, VIGYAN** (2002), Assistant Professor, Technology. BS, Birla Institute of Technology (India); MS, PhD, Kentucky.
- CHANG, KUNG-NAN** (2003), Assistant Professor, Computer Science. BS, Feng-Chia University (Taiwan); MS, PhD, University of Texas at Arlington.
- CHAPMAN, ANN D.** (1989), Professor, Counseling & Educational Psychology. BA, Agnes Scott; MA, Indiana; EdS, PhD, Kentucky.
- CHEN, RICHARD** (1989), Professor, Accounting. BBA, National Taiwan; MPA, PhD, Texas; CPA, Texas.
- CLARK, ROSS C.** (1992), Professor, Biology. BA, Sewanee; MA, PhD, North Carolina.
- CLEMENT, CATHERINE R.** (1989), Professor, Psychology. AB, California (Berkley); MA, PhD, Clark.
- CLEWETT, JR., RICHARD M.** (1969), Professor, English. BA, MA, PhD, Chicago.
- COLEMAN, DAVID W.** (1998), Acting Chair, Associate Professor, History. BA, Emory; MA, PhD, Illinois at Urbana-Champaign.
- COLLINS, LARRY R.** (1990), Chair, Associate Professor, Loss Prevention & Safety. AS, Allegheny; BS, MEd, California (UPA); EdD, West Virginia.

- COLLINS, PAMELA A.** (1986), Professor, Assets Protection. BS, MS, Eastern Kentucky; EdD, Kentucky.
- COMBS, DOROTHY** (1996), Professor, Education. BA, MEd, University of South Carolina; PhD University of Kentucky.
- COOK, JERRY D.** (1983), Professor, Physics. BA, Berea College; MS, PhD, Kentucky.
- CORDNER, GARY W.** (1987), Professor, Criminal Justice & Police Studies and Foundation Professor. BS, Northeastern; MS, PhD, Michigan State.
- CORE, DEBORAH L.** (1982), Professor, English. BA, Bethany; MA, Marshall; PhD, Kent State.
- COSTELLO, PATRICIA S.** (1982), Professor, Statistics. BA, Thomas More; MS, PhD, Ohio State.
- COSTELLO, PATRICK J.** (1982), Professor, Mathematical Sciences. BS, Harvey Mudd; MS, PhD, Ohio State.
- COX, TERRY C.** (1978), Professor, Criminal Justice & Police Studies. BS, MS, PhD, University of Akron.
- CREIGHTON, PETER** (1990) Associate Professor, Environmental Health, BS, Newark College of Engineering, MS, Colorado School of Mines, PhD, Rutgers.
- CROPPER, MATTHEW** (2000), Associate Professor, Mathematics. BS, Northern Kentucky; MS, PhD, West Virginia.
- CROSBY, RICHARD** (1986), Professor, Music. BME, MM, DMA, Cincinnati.
- CULROSS, JACK L.** (1970), Acting Chair, Professor, English. BS, Spring Hill; MA, PhD, Louisiana State.
- CUPP, JR., PAUL V.** (1974), Professor, Biology. BS, MS, Eastern Kentucky; PhD, Clemson.
- CURRA, JOHN O.** (1975), Professor, Sociology. BA, MA, San Diego State; PhD, Purdue.
- DAILEY, DAVID W.** (1989), Professor, Technology. BS, MS, EdS, Clemson; EdD, Kentucky.
- DAVIS, BRUCE** (2000), Professor, Geography. BS, California-Santa Barbara; MA, Southern Mississippi; PhD, California-Los Angeles (UCLA).
- DAVIS, LONNIE J.** (1990), Chair, Professor, Exercise & Sport Science. BA, Morehead State; MS, Indiana; PhD, Louisiana State.
- DAVIS, MARGARET B.** (1999), Associate Professor, Reading. BA, Kentucky State; MA, Western Kentucky; EdD, Kentucky.
- DAVIS, RITA R.** (1982), Professor, Corporate Communication & Technology. BA, MA, Georgetown; EdD, Kentucky.
- DAVIS, WILLIAM E.** (1979), Chair, Professor, Technology. BS, MA, MS, Eastern Kentucky; EdD, Cincinnati.
- DAY-LINSEY, LISA** (2001), Visiting Assistant Professor, English & Theatre. BA, MA, Western Kentucky; PhD, Southern Illinois.
- DEAN, MARGARET** (1988), Professor, English & Theatre. AB, Radcliffe; MA, Colorado, PhD, Kentucky.
- DEAN, RONALD E.** (1974), Associate Professor, Political Science. BA, Emory and Henry; MA, PhD, Tennessee.
- DEBOLT, LOUISA S.** (2000), Associate Professor, Exercise & Sport Science. BA, MA, Pacific; PhD, Oregon State.
- DELEA, CHRISTINE** (2002), Assistant Professor, English & Theatre. BA, Marietta College; MA, Marshall; PhD, North Dakota.
- DENHAM, GAYLE** (1991), Professor, Nursing. BSN, Eastern Kentucky; MSN, Kentucky; PhD Nursing, Tennessee.
- DICKEY, JOANNA PATERNO** (1980), Professor, Elementary Education. BS, Cleveland State; MEd, Indiana; PhD, Ball State.
- DIEBOLD, MARTIN H.** (1996), Professor, Communication Disorders. AA, Miami-Dade Junior College; MA, South Florida; EdD, Georgia.
- DIECKMANN, MELISSA S.** (1995), Acting Chair, Earth Sciences, Professor, Geology. BA, DePauw; PhD, Notre Dame.
- DILKA, KAREN L.** (1989), Professor, Special Education. BA, MA, Northern Colorado; PhD, Arizona.
- DUENO, ERIC** (2004), Assistant Professor, Chemistry. BA, Florida State University; PhD, University of South Florida.
- DUNCAN, DAN J.** (1981), Professor, Music. BME, Northwestern; MME, Wichita State; DME, Indiana.
- DUNSTON, AINGRED G.** (1989), Associate Professor, History. BA, Livingstone; MA, North Carolina; PhD, Duke.
- EAKIN, DAVID A.** (1994), Associate Professor, Biology. BA, MS, Louisville; PhD, Florida.
- ELBERT, NORB** (2000) Chair, Professor, Management. BS, MBA, Louisville; DBA, Kentucky.
- ELIAS, DAVID R.** (1989), Associate Professor, English. BA, California; MA, Rutgers; PhD, Stanford.
- ELLIOTT, CHARLES L.** (1985), Professor, Biology and Foundation Professor. BS, Frostburg State; BS, Idaho; MS, Brigham Young; PhD, Alaska.
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- THOMAS, JOYCE H.** (1993), Associate Professor, Library Science. BA, Kentucky State; MSLS, Kentucky; PhD, Michigan State.
- THOMPSON, MERITA L.** (1972), Professor of Health Education and Foundation Professor. BS, Cumberland; MS, Tennessee; EdD, Alabama.
- THORNE, DANIEL T.** (1986), Associate Professor, Accounting. BS, SUNY; MBA, Eastern Kentucky; DBA, Kentucky; CPA, Maryland.
- TILLETT, BILL G.** (1974), Professor, Criminal Justice & Police Studies. BS, Louisville; MS, Eastern Kentucky; EdD, Kentucky.
- TOFAN, DANIEL** (2004), Assistant Professor, Chemistry. BS, University of Izias; MS, PhD, Georgetown University.
- TOPMILLER, ROBERT** (1999), Assistant Professor, History. BA, MA, Central Washington University; PhD, University of Kentucky.
- TOWERS, ROBERT L.** (1988), Associate Professor, Technology. BSEE; MS, Eastern Kentucky; EdD, Kentucky.
- TSIANG, SARAH Y.** (2001), Associate Professor, English & Theatre. BA, Chicago; MA, PhD, Illinois, Urbana.
- TUNNELL, KENNETH D.** (1989), Professor, Criminal Justice & Police Studies. BS, East Tennessee State; MS, Middle Tennessee State; PhD, Tennessee.
- VANCE, DIANE** (1998), Associate Professor, Chemistry/Forensic Science. BA, MAT, Spalding College; PhD, Kentucky.
- VICE, JANNA P.** (1976), Associate Dean, College of Business & Technology; Professor, Corporate Communication & Technology. BS, MA, Eastern Kentucky; EdD, Kentucky.
- VIRGIN, SHEILA M.** (1996), Professor, Nursing. BS, Alderson Broadbudd; MSN, West Virginia; DSN, Alabama (Birmingham).
- WACHTEL, ELIZABETH R.** (1975), Associate Professor, Correctional & Juvenile Justice Studies. BS, MA, PhD, Kentucky.
- WALLACE, LISA H.** (2004), Associate Professor, Correctional & Juvenile Justice Studies. BS, MS, Southern Mississippi; PhD, New Orleans.
- WARNER, BARBARA D.** (2000), Associate Professor, Criminal Justice & Police Studies. BA, Pennsylvania State; MA, PhD, Albany (S.U.N.Y.).
- WARNER, KERSTIN P.** (1974), Professor, English. AB, Vassar; MA, PhD, Minnesota.
- WASICKO, M. MARK** (1999), Dean, College of Education. Professor, Education. BS, MEd, PhD, Florida.
- WATKINS, THOMAS G.** (1984), Professor, Economics. AB, MA, Missouri; PhD, Iowa State.
- WEISE, ROBERT S.** (1999), Associate Professor, History. BA, University of Wisconsin; MA, PhD, Virginia.
- WELLMAN, FERRELL** (1994), Associate Professor, Communication. BA, Eastern Kentucky; MMC, South Carolina.
- WELLS, JAMES B.** (1995), Professor, Correctional & Juvenile Justice Studies. BCI, Ohio; MS, PhD, Georgia State.
- WHITE, JOHN C.** (2003), Assistant Professor, Geology. BA, MS, Sul Ross State University; PhD, Baylor.
- WHITE, RODNEY M.** (1992), Associate Professor, Social Science Education. BA, Kentucky; MA, Western Kentucky; EdD, George Peabody, Vanderbilt.
- WHITEHOUSE, DEBORAH** (1984), Associate Dean, College of Health Sciences, Professor, Nursing. BSN, Kentucky; MSN, North Carolina (Chapel Hill); DSN, Alabama (Birmingham).
- WILDER, MELINDA S.** (1995), Associate Professor, Science Education. BS, West Virginia; MAT, Miami (Ohio); PhD, Ohio.
- WILLIS, SUSAN C.** (1975), Professor, Family & Consumer Sciences. BA, Centre College; MA, PhD, Ohio State.
- WILSON, LORI** (2000), Professor, Chemistry. BS, Mercer Georgia; PhD, Georgia Institute of Technology; post doctoral research, Georgia Space Flight Center.
- WILSON, MARY W.** (2002), Assistant Professor, Family & Consumer Sciences. BS, Kentucky; PhD, Michigan State.
- WILSON, STEFFAN P.** (1997), Assistant Professor, Psychology. BS, Birmingham-Southern; MS, PhD, Georgia.
- WINSLOW, MATTHEW P.** (1998), Associate Professor, Psychology. BA, Macalester; MA, California at Santa Cruz; PHD, Minnesota.
- WOLFORD, BRUCE I.** (1979), Professor, Correctional & Juvenile Justice Studies. BS, MA, PhD., Ohio State.
- WONG, KA-WING** (1990), Professor, Computer Science. BS, MS, Middle Tennessee; PhD, Kansas State.
- WOOD, BRADFORD J.** (2000), Assistant Professor, History. BA, Wake Forest; MA, Michigan State; MA, PhD, John Hopkins.
- WOOLVERTON, DAVID O.** (1991), Assistant Professor, Communication. BS, Florida; MA, Miami; EdD, Kentucky.
- WRAY, LINDA** (1983), Assistant Professor, Nursing. BSN, Lenior-Rhyne College; MSN, University of North Carolina; PhD, University of Kentucky.
- WRIGHT, GENE C.** (2001), Visiting Assistant Professor, Education Graduate Cohort Program. BA, Berea; MaEd, Eastern Kentucky; PhD, Columbia.
- XU, BANGTENG** (2005), Assistant Professor, Mathematics. PhD, Illinois.
- YODER, MARGARET A.** (1995), Assistant Professor, Mathematics. BA, Goshen College (IN); Ma, PhD, South Florida.
- YOW, DON** (2003), Assistant Professor, Geography. BS w/ Honors, University of Florida; MS, PhD, University of South Carolina.
- ZEIGLER, SARA** (1997), Acting Chair, Government; Associate Professor, Political Science. BA, Reed; MA, PhD, California-Los Angeles.
- ZURICK, DAVID** (1987), Professor, Geography. BA, MS, Michigan State; PhD, Hawaii.

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SECTION SEVEN

Catalog Addendum

College Of Arts and Sciences

Dr. John Wade, Interim Dean

Arts and
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(859) 622-1405

Dr. Tom Otieno, Associate Dean
Memorial Science 184
(859) 622-1393

Dr. Michael Foster, Assistant Dean
Roark 106
(859) 622-8140

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DEPARTMENT OF COMPUTER SCIENCE

Dr. Ka Wing-Wong, Acting Chair
www.cs.eku.edu
(859) 622-2398

MASTER OF SCIENCE Applied Computing

Effective Spring 2008
Applied Computing Program

Core Requirements12 hours
CSC 730, 815, 831, 834.

Option in Software Engineering12 hours
CSC 825, 835 and two of CSC 720, 745, 746, 750. Effective
Spring 2008.

Electives6 hours
Total Curriculum Requirements30 hours

Option in Business Computing12 hours
CIS 850, 3 courses selected from ACC 820, ACC 850, CIS 860,
FIN 824, FIN 850, CCT 850 and QMB 850.

Electives6 hours
Total Curriculum Requirements30 hours

Option in Industrial Computing12 hours
INT 730, 801, 804, 805.

Electives6 hours
Total Curriculum Requirements30 hours

Option in Bioinformatics*24 hours
CSC 745, BIO 710 or STA 700, BIO 711, 801, 890, CECS 660
(Introduction to Bioinformatics at U of L), plus nine (9) credit
hours at 800 level Bioinformatics research at U of L.

Total Curriculum Requirements36 hours

*Courses equivalent to BIO 121, 315, 348, CSC 190, 191, 195 may
be required as prerequisites.

Option in Statistical Computing12 hours
STA 700, 701 or 785, 775, 880.

Electives6 hours
Total Curriculum Requirements30 hours

ELECTIVES

Select 6 hours of electives from the following: ACC 820, ACC
850, BIO 710, 711, 801, 890, CCT 850, CIS 850, 870, CSC 720,
735, 740, 745, 746, 750, 812, 825, 833, 835, 842, 860, 890, 895,
ECO 854, INT 706, 730, 801, 804, 805, FIN 824, 850, MAT 706,
755, 806, 871, 872, MGT 850, QMB 850, STA 700, 701, 720, 721,
775, 785, 880, TEC 830, 867. Credit in a student's declared option
does not apply toward the elective requirements. At least half of
the elective hours must be from 800 level courses. Also at least
half of the elective hours must be CSC courses.

Comprehensive Examination — Each candidate, near the end
of the Master's program, must pass a two-hour written or oral
examination designed to test the student's general knowledge of
his/her program of study. The student has the option of selecting
the written or oral examination.

College of Education

Dr. William Phillips, Dean
Combs 421
(859) 622-1175

Dr. Kim Naugle, Associate Dean
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Education

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Dr. Michael A. Martin, Chair
www.education.eku.edu
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The Department of Curriculum and Instruction is responsible for program advisement and development in elementary education, middle grade education, secondary education, and library science. Programs of study may lead to the Master of Arts in Education degree, Rank II, Rank I, and Master of Arts in Teaching degree (Initial Certification). The elementary education program has options in early elementary education, gifted/talented education, middle grade education, and reading/writing. The secondary education program in cooperation with appropriate departments throughout the University offers program options in agriculture, allied health (non-teaching), art, biology, business and marketing, chemistry, earth science, English, family and consumer science, mathematics: computer science, mathematics: mathematics and statistics, music, physical education, physics, school health, social studies: geography, social studies: history, and technology.

MASTER OF ARTS IN EDUCATION Secondary Education

This curriculum is designed to help students achieve goals and develop competencies in professional education, academic areas and interpersonal relationships.

Admission — In addition to other criteria, a minimum total GRE score of 700 is required in all secondary options. Verbal and quantitative subtest scores of at least 300 are required for clear admission to the MAEd. programs in secondary education.

Professional Education Core15 hours

EPY 8693 hours
 EPY 8393 hours
 ELE 810, EMG 810, or ESE 8633 hours
 ELE 810 may be taken in P-12 programs.
 EMG 810 may be taken by individuals with middle grade certification.
 ESE 863 may be taken by individuals with 5-12 or 8-12 certification.

One course from each of the following lists:

A. ESE 774, EMG 806, EPY 816, or SED 8003 hours

B. EMS 818, 830, 842, 855, 883, or EPY 8543 hours
Specialization Option12 hours
 Courses selected from student's area(s) of certification.
Electives3 hours
Minimum Program Total30 hours

OPTIONS — The Master of Arts in Education in Secondary Education is offered with the following academic specialization options:

CAA Approved 11/15/07
 Effective Summer 2008

School Health Option12 hours
 HEA 800, 810, 875, 6 hours selected from HEA 790, 792, 793, 794, 795, 804, 807, 855, 880, other options with advisor approval.

MASTER OF ARTS IN TEACHING Secondary and P-12 Education Option

This program is designed to provide students who have already completed a major in a teaching field opportunity to complete secondary/P-12 teaching certification requirements while completing a master's degree. Teaching areas for which this program is available include: agriculture, art, biological science, business and marketing*, chemistry, earth science, English, family and consumer sciences, health, mathematics, music*, physical education, physics, social science, Spanish, and technology education.

*Students seeking admission in these areas will have to provide evidence of having completed specific undergraduate courses prior to admission.

CRITERIA/PROCEDURES FOR ADMISSION

CAA Approved 11/15/07
 Effective Summer 2008

Admission — Students seeking admission to the program must:

1. Submit an application to the Graduate School indicating a bachelor's degree including all transcripts from accredited colleges attended except Eastern Kentucky University.
2. Provide evidence of the following prior to being accepted into the program:
 - a. Master's degree OR 3.0 overall undergraduate GPA OR

- 3.0 in the last 60 hours of coursework.
- b. Acceptable Graduate School Admission exams by one of the following:
- GRE 350 verbal and 350 quantitative*

*Applicants who completed the GRE prior to October 1, 2002 must meet the following:

1100 total score or may use the following formula to meet the GPA and GRE requirements:

Minimum 2.75 GPA and minimum 1000 GRE to apply the formula $GPA \times GRE = \text{minimum } 3300$.

Miller's Analogy Exam 35.

- c. Major (or equivalent) in the field in which certification is being sought (only for secondary candidates others are reviewed for appropriate course content).
- d. PRAXIS II scores in the desired certification area with the exception of ~~elementary, middle grade~~, secondary art and music.
- e. A professional resume.
- f. An autobiography documenting relevant life/work/educational experience.
- g. Three letters of reference.
- h. Complete two written disposition assignments given by the department.
- i. Complete an interview with the Master of Arts in Teaching.

College of Health Sciences

DEPARTMENT OF EXERCISE AND SPORT SCIENCE

Dr. Jack Rutherford, Chair
www.physed.eku.edu
(859) 622-1887

MASTER OF SCIENCE Physical Education

Effective Spring 2008

Admission — A student must have completed an undergraduate degree and meet the admission standards of the Graduate School, have at least a 2.75 undergraduate GPA and a score of 700 combined on the verbal and quantitative sections and a 3.0 on the analytical section of the Graduate Record Examination (GRE), or a score of 320 on the Miller Analogies Test (MAT).

Probation and Progress in the Program — If, in any semester of study, a student's graduate grade point average falls below 3.0 for all courses taken after admission to the program, the student will automatically be on academic probation. The student will be dismissed from the program following any second semester with a cumulative GPA below 3.0. A student in the program is allowed to earn no more than one "C" and no "D"s or "F"s in courses taken after admission to the program.

Thesis — The thesis is optional in this program.

Comprehensive Examination — Candidates shall perform satisfactorily on a written examination of their program of study.

Program — A minimum of 30 hours of graduate is required.

Exercise and Sport Science Foundations.....18 hours

PHE 800 or EDF 869 and select 15 additional hours from:
PHE 762, 810, 812, 814, 821, 822, 823, 825, 831, 833, 848,
851, 852, 869, 875, 891, 895.

Select one of the following options.....12 hours

Exercise and Sport Science Option

Select one 800 level PHE course (3 hours) plus nine hours of
PHE 700 and/or 800 level courses.*

Sports Administration Option

PHE 835, PHE 730, and PHE 870 (6 hours) or PHE 839 (6
hours).

Exercise and Wellness Option

PHE 812, NFA 717, PHE 871 (6 hours).

Total Requirements30 hours

*A maximum of nine hours of 700 level course works is allowed.

Note: For information on the Master of Arts in Education Degree in Physical Education, see College of Education.

DEPARTMENT OF OCCUPATIONAL THERAPY

Dr. Colleen Schneck, Chair
www.health.eku.edu/ots
(859) 622-3300

Effective Spring 2008

OPTION 2

Admission — Specific Criteria: An undergraduate degree in a discipline other than occupational science or occupational therapy and course work in Human Anatomy, Human Physiology, Psychology, and Statistics. Each student must submit a course description of prerequisite course work with the application.

Students who have degrees in fields outside of occupational science and occupational therapy will be admitted to the M.S. program once a year for enrollment beginning in the fall semester. To be considered for the fall session, all coursework must be completed. Applications must be submitted by February 1.

Program Option 2

Transition Courses

The following undergraduate courses are completed as undergraduate: BIO 271, 371, OTS 362, 402, 422, 430, 478, and 802. Students will apply to Graduate School during the transition year of course work. If admitted to the MS program, students will complete curriculum presented in Option 1.

Core Courses25 hours

OTS 820, 822, 830, 832, 850, 870, 880.

Electives6 hours

OTS 720, 825, 834, 835, 851, 852, 853, 855, 862, 863,
864, 865, 866, 875, 882, 890.

Research9 hours

Non-thesis

OTS 871, 896 and an elective.

Comprehensive examination required

OR

Thesis

OTS 871, 898, 899.

Fieldwork.....16 hours

OTS 821, 831, 845, 846, 847.

A minimum of 56 semester hours of graduate credit after being accepted into the M.S. program is required.

GRADUATE COURSE CREDIT

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate

experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 levels will not be permitted to enroll for graduate level credit in the 700 level counterparts. Credit will not be awarded for both the 700 and 500 level of the same course.

Cross Listed Courses — Some courses are offered under different prefixes with the same course content. Students will not be awarded credit for any course which they have previously received credit under a cross-listed prefix.

DEPARTMENT OF BACCALAUREATE AND GRADUATE NURSING

Dr. Judy Short, Chair
www.bsn-gn.eku.edu
(859) 622-1827

The Department of Baccalaureate and Graduate Nursing offers the Master of Science in nursing degree. The program is designed to allow nurses with a baccalaureate degree to prepare for rural health advanced practice roles. Master's degree options available include Rural Health Family Nurse Practitioner, Rural Psychiatric Mental Health Nurse Practitioner, and the Advanced Practice Rural Public Health Nursing option with an area of concentration in either Administration or Nursing Education. Students in an option other than Advanced Practice Rural Public Health Nursing who are interested may also request to take the nursing education courses as electives, which are not a part of the planned degree program. Graduates of the M.S.N. program will have specific competencies related to rural health nursing practice either as a Family Nurse Practitioner, Psychiatric Mental Health Nurse Practitioner, or a Community/Public Health Nursing Specialist. Advanced Nursing Practice Outcomes:

MASTER OF SCIENCE IN NURSING Nursing

Effective Summer 2007

Admission — Minimum requirements for admission to the program include 1) a baccalaureate degree in nursing from a nationally accredited program, 2) a free and unrestricted R.N. license in Kentucky, and 3) an undergraduate GPA of at least 2.75 (4.0 scale) cumulative or in last 60 hours, and (4) a three hour graduate or undergraduate course in statistics with a grade of "C" or higher. Admission is competitive and limited to available space. In addition to the above criteria, consideration is also given to the applicants' scores on either the sub-tests of the Graduate Record Examination general test or the Miller Analogies Test, the student's statement of Personal and Professional Objectives submitted with the Graduate School application, the three required professional references and the rural nature of the site identified for matriculation or proposed for future practice. Application deadline is February 15 for summer admission (full-time) and March 15 for fall admission (part-time). Admission may be granted at other times during the year if spaces are available in an option.

Progression Policy — To progress, MSN students must achieve a grade of "B" or higher in many of the prerequisite courses. Refer to the course descriptions in this *Catalog* for specifics. When a student is given permission to repeat a practicum course, the student must also enroll in the corequisite hours of NSC 800.

Comprehensive Examination — Candidates are required to pass an oral comprehensive examination of their program of study.

Program — A minimum of 39 hours of graduate credit is required.

Core Courses15 hours
NSC 840, 842, 890, 892, HEA 855.

Rural Health Family Nurse Practitioner
Option.....24 hours
NSC 830, 832, 8349 hours

RHFNP Practicum Courses (NSC 870, 872, 874, 876)
.....15 hours
In addition, must complete a minimum of 9 hours of NSC 800 to meet clinical clock hour requirement.

Total Hours39 hours
Plus 9 hours of NSC 800.

Rural Psychiatric Mental Health Nurse Practitioner
Option.....24 hours
NSC 830, 832, 8349 hours

RPMHNP Practicum Courses (NSC 880, 881, 882, 884, 886)
.....15 hours
In addition, must complete a minimum of 7 hours of NSC 800 to meet clinical clock hour requirement.

Total Hours39 hours
Plus 7 hours of NSC 800.

Advanced Practice Rural Public Health Nursing Option
(Area of Concentration in Administration)24 hours
NSC 844, 854, *approved elective9 hours

APRPHN Practicum Courses (NSC 836, 850, 852, 860, 862)
.....15 hours
In addition, must complete a minimum of 4 hours of NSC 800 to meet clinical clock hour requirement.

Total Hours39 hours
Plus 4 hours of NSC 800.

*Elective can be selected from HEA, POL, NSC or other approved course.

Advanced Practice Rural Public Health Nursing Option
(Area of Concentration in Nursing Education).....24 hours
NSC 844, 846, 8549 hours

APRPHN Practicum Courses (NSC 836, 848, 850, 852, 862)
.....15 hours
In addition, must complete a minimum of 4 hours of NSC 800 to meet clinical clock hour requirement.

Total Hours39 hours
Plus 4 hours of NSC 800.

Course Prefixes

ACC	Accounting
ADM	Apparel Design and Merchandising
AGR	Agriculture
ARH	Art History
ART	Art
BIO	Biology
CAH	Arts and Sciences Interdisciplinary
CCT	Corporate Communication and Technology
CDF	Child and Family Studies
CDS	Communication Disorders and Sciences
CHE	Chemistry
CIS	Computer Information Systems
CMS	Communication Studies
CNM	Arts and Sciences Interdisciplinary
COM	Communication
COR	Correctional and Juvenile Justice Studies
COU	Counseling
CRJ	Criminal Justice
CSC	Computer Science
CTE	Career and Technical Education
DES	Design
EAD	Educational Administration
ECO	Economics
EDC	Educational Core
EDF	Educational Foundations
EGC	Graduate Certification
EHE	Higher Education
EHS	Environmental Health Science
ELE	Elementary Education
EME	Elementary and Middle Grade
EMG	Middle Grade Education
EMS	Elementary, Middle Grade, and Secondary Education
ENG	English
ENW	English Creative Writing
EPY	Educational Psychology
ESE	Secondary Education
FCS	Family and Consumer Sciences
FIN	Finance
FRM	Family Resource Management
GBU	General Business
GEO	Geography
GLY	Geology
HEA	Health Education
HIS	History
INS	Insurance
INT	Industrial Technology
LAS	Paralegal
LIB	Library Science
LPS	Loss Prevention and Safety
MAR	Marine Sciences
MAT	Mathematics
MGT	Management
MKT	Marketing
MUS	Music
NFA	Nutrition, Foods, and Food Administration
NSC	Nursing
OHO	Ornamental Horticulture
OTS	Occupational Therapy
PHE	Physical Education
PHI	Philosophy
PHY	Physics
POL	Political Science
PSY	Psychology
PUB	Public Relations
QMB	Quantitative Methods
REC	Recreation and Park Administration
RST	Real Estate
SED	Special Education
SSE	Safety, Security & Emergency Management
SPA	Spanish
STA	Statistics
TEC	Technology, General
THE	Theatre Arts
TRS	Traffic Safety

Course Numbering

Courses are numbered according to the following plan:

700-899 are for graduate students only

Course Descriptions

The semester hours which may be earned by successful completion of a course are indicated in parentheses immediately following the course title, e.g., (3).

I, II, and A used in the description of a course indicate the course will be offered the fall semester, spring semester, and by announcement, respectively. A course is offered during the indicated semester or by announcement on the assumption there will be adequate enrollment. If a course does not obtain adequate enrollment, it is subject to cancellation. The University reserves the right to cancel any course if the enrollment is not sufficient, to divide a course if the enrollment is too large for efficient instruction, and to change instructors when necessary.

The description of the course format for courses which include a laboratory experience is found at the end of the course description. A course which consists of three hours of classroom lecture and two hours of laboratory per week is described as "3 Lec/2 Lab."

BIO—Biological Sciences Dr. Robert Frederick, Chair

BIO 721 Forest Ecology. (4) A.

Prerequisites: BIO 131 and BIO 316 or BIO 335 or departmental approval. Ecological concepts and principles relevant to eastern trees and ecosystems. Required weekend labs and fall break field trip. 2 Lec/4 Lab. Effective Spring 2008.

BIO 733 Bioinformatics: Principles and Applications. (3) II. Prerequisite: BIO 315. An exposure to the theory and practice of bioinformatics as they relate to laboratory (Cell and Molecular Biology, Biochemistry) and field (Evolutionary and Population Biology) research applications in the life sciences. Discussion and utilization of the prevalent approaches and methodologies currently used in Bioinformatics. Effective Spring 2008.

COR—Correctional/Juvenile Justice Studies Dr. Kevin Minor, Chair

~~**COR 801 Developing a Thesis and Comprehensive Exam. (1) A.** This course serves as an introduction to graduate studies in the program and is designed to assist students in preparing for a thesis or comprehensive exam. It furnishes students with essential information regarding expectations, course options, comprehensive exam, and the thesis. Students must enroll in this course during the first semester it is offered after they register for graduate classes in this program. Effective Spring 2008, this course will no longer be offered.~~

COR 840 Adult Corrections. (3) A. This course analyzes community and institutional corrections. Emphasis is placed on the roles and functions of agencies and how operations are shaped by security, rehabilitation, as well as management and staff issues. The future of corrections is examined based on current and projected trends. Effective Spring 2008.

~~**COR 850 Correctional and Juvenile Justice Interventions Offender Rehabilitation Strategies. (3) A.** This course provides critical analyses of research and theories guiding effective rehabilitation programs in corrections and juvenile justice. It examines how various factors contribute to criminal behavior and how assessment procedures can improve programs. Effective Spring 2008.~~

COU—Counseling Dr. Connie Callahan, Interim Chair

COU 860 Student Development Theory in Higher Education. (3) I, II. This is a theoretical/development course in the introduction to the student affairs profession. Effective Summer 2008.

COU 861 Overview and Legal Issues in Higher Education. (3) I, II. Overview of the legal and ethical issues in the student affairs profession. Effective Summer 2008.

CSC—Computer Science Dr. Ka Wing-Wong, Acting Chair

CSC 710 Web Design and Programming in Education. (3) A. Introduction to design and implementation of World Wide Web applications for teachers. Development of interactive on-line class notes and testing materials. Effective Spring 2008.

CSC 720 Multimedia System Design. (3) A. Prerequisite: admission to the master's degree program in computer science or to the master's degree program in math (computer science option) or departmental approval. Integration of multimedia technologies, design of scenes, computer algorithms, multimedia solutions, and multimedia databases. Effective Spring 2008.

CSC 750 Graphics Programming. (3) A. Prerequisite: CSC 730 or departmental approval. 3-D geometry, model transformation, matrices, computer algorithms and protocols, texture mapping, camera

control, and collision detection. Effective Spring 2008.

GEO—Geography

Dr. Richard Sambrook, Acting Chair

GEO 755 Advanced Cartography. (3)

Effective Spring 2008, this course will no longer be offered.

HEA—Health Education

Dr. Michael Ballard, Chair

HEA 794 Drug Abuse and Dependency. (3)

I, II. Study of the nature and progression of chemical abuse and dependency, and effects on the individual, family, and society. Includes study of strategies for prevention, intervention, and treatment. Effective Spring 2008, this course will no longer be offered.

~~**HEA 798 Health Promotion and Program Planning. (3) I.** An introduction to principles, strategies, and skills, which are necessary for the planning and implementation of health education and health promotion programs in a diversity of settings. Effective Summer 2008, this course will no longer be offered.~~

HEA 804 Drug Abuse and Dependency. (3)

I, II. Study of the nature and progression of chemical abuse and dependency and effects on the individual, family, and society. Includes study of strategies for prevention, intervention, and treatment. Effective Spring 2008.

HEA 825 Planning and Evaluation of Health Programs. (3) II. The focus of this course is on the process of assessing a community and on strategies for planning, implementing, and evaluating health promotion programs in a variety of settings. Effective Spring 2008.

~~**HEA 855 Principles of Epidemiology and Risk Assessment. (3) A.** A study of the distribution and determinants of disease and injury. Research methodologies for human research assessment and management of risk and disease surveillance techniques will be emphasized. Effective Summer 2008.~~

HEA 897 Thesis. (3-6) A. Effective Summer 2007.

MAT—Mathematics

Dr. Dirk Schlingmann, Chair

MAT 720 Mathematical Statistics I. (3) I.

Cross listed as STA 720. Descriptive statistics, discrete and continuous probability distributions for one and two variables, functions of random variables, sampling distributions, expectations and generating functions. Credit will not be awarded to students who have credit for STA 720. Effective Spring 2008.

MPH—Master of Public Health

MPH 895 Public Health Capstone. (1) II.

Cross listed with HEA 895. This capstone course will allow students the opportunity to integrate and apply competencies acquired through the MPH program to problems likely to be encountered in public health practice. The course is designed to partially meet the culminating experience requirement for students in the program. Credit will not be awarded to students who have credit for HEA 895. Effective Fall 2007.

OTS—Occupational Therapy

Dr. Colleen Schneck, Chair

OTS 883 Change and Complexity in OBP.

(3) A. Comprehensive critique of disciplinary literature describing professional applications of occupation. Deriving insights into occupation-based practice (OBP) through perspectives from history, systems, chaos, change, and complexity. Action and change research methods for the development of occupation-based practice. Effective Summer 2008.

OTS 885 Occupational Performance

Measures. (3) A. Prerequisite: OTS 880 and occupational therapy graduate student status or departmental approval. Analysis of critical evaluation instrumentation. Review of measurement issues and use of instruments in evidence-based practice in occupational therapy. Integration into occupation-based practice. Effective Spring 2008.

STA—Statistics

Dr. Dirk Schlingmann, Chair

STA 700 Applied Statistical Inference.

(3) A. Designed for students in all areas. A general background in statistical methods including normal distribution, point and interval estimation, hypothesis testing, regression, analysis of variance, and software packages. Credit will not be awarded to students who have credit for ECO 320 or ECO 848 or EPY 843 or PSY 301 or QMB 300 or STA 271 or STA 320. Credit does not apply toward the M.S. degree requirements. Effective Spring 2008.

STA 721 Mathematical Statistics II. (3)

A. Prerequisite: STA 520 or STA 720. A continuation of STA 720. Estimation theory, tests of hypothesis, linear regression, analysis of variance, allied topics. It is strongly recommended that students have completed an undergraduate course in linear algebra. Effective Spring 2008, this course is no longer equivalent to STA 500/700.